

Wm A. Dall,
Sci. Corps W. U. S. Exp.

San Francisco

Jan 1, 1865.

Wm. H. Hall.
Sec. Gen. U.S. A. Exp.

San Francisco
Jan. 1. 1862

Wm. H. Hall.
Sec. Gen. U.S. A. Exp.

1866

BANCROFT'S

DIARY

FOR

1866-7.

Published Annually.

SAN FRANCISCO:
H. H. BANCROFT & COMPANY,
Booksellers & Stationers.
1866.

COUNTING-HOUSE CALENDAR FOR 1866.

	Sund.	Mon.	Tues.	Wed.	Thurs.	Frid.	Satur.
JANUARY.....		1	2	3	4	5	6
	7	8	9	10	11	12	13
	14	15	16	17	18	19	20
	21	22	23	24	25	26	27
	28	29	30	31			
FEBRUARY.....					1	2	3
	4	5	6	7	8	9	10
	11	12	13	14	15	16	17
	18	19	20	21	22	23	24
	25	26	27	28			
MARCH.....					1	2	3
	4	5	6	7	8	9	10
	11	12	13	14	15	16	17
	18	19	20	21	22	23	24
	25	26	27	28	29	30	31
APRIL....	1	2	3	4	5	6	7
	8	9	10	11	12	13	14
	15	16	17	18	19	20	21
	22	23	24	25	26	27	28
	29	30					
MAY.....			1	2	3	4	5
	6	7	8	9	10	11	12
	13	14	15	16	17	18	19
	20	21	22	23	24	25	26
	27	28	29	30	31		
JUNE.....						1	2
	3	4	5	6	7	8	9
	10	11	12	13	14	15	16
	17	18	19	20	21	22	23
	24	25	26	27	28	29	30
JULY....	1	2	3	4	5	6	7
	8	9	10	11	12	13	14
	15	16	17	18	19	20	21
	22	23	24	25	26	27	28
	29	30	31				
AUGUST.....				1	2	3	4
	5	6	7	8	9	10	11
	12	13	14	15	16	17	18
	19	20	21	22	23	24	25
	26	27	28	29	30	31	
SEPTEMBER.....							1
	2	3	4	5	6	7	8
	9	10	11	12	13	14	15
	16	17	18	19	20	21	22
	23	24	25	26	27	28	29
	30						
OCTOBER.....	1	2	3	4	5	6	
	7	8	9	10	11	12	13
	14	15	16	17	18	19	20
	21	22	23	24	25	26	27
	28	29	30	31			
NOVEMBER.....					1	2	3
	4	5	6	7	8	9	10
	11	12	13	14	15	16	17
	18	19	20	21	22	23	24
	25	26	27	28	29	30	
DECEMBER.....							1
	2	3	4	5	6	7	8
	9	10	11	12	13	14	15
	16	17	18	19	20	21	22
	23	24	25	26	27	28	29
	30	31					

MONDAY, JANUARY 1, 1866.

Morning, after breakfast, down town with old Field, go to Lorquins and get an argonauta for Olga. Stay some time waiting for him & talking with his pretty wife. Back to ship dress, and call on Miss, Coates, Klinkofstrom, DeRo, Masten, leave card at C. L. Lowe, Hubbard and Ayres, & Taylors. Call at Mrs Raymonds Denisons, Hoyts, and Stebbins not touching liquor during the cruise. Back to dinner, and spend the evening aboard, working over my shells.

TUESDAY 2

Morning, go down town with the Captain to the office meeting Mr. Brackett and son on the way. Can't get any money till tomorrow. Go down to survey Rooms, call on Dr. Kellogg and Stearns. At twelve go down to lunch with Stearns meeting Marshall Rand. Afternoon go down to Brooks & Co. to Lehr. Rowe about Garrett, and then to Survey Rooms and up to Stearns office. Leave card at Bolanders, and back to dinner aboard. In the evening walk up with Davison, and go out to Mrs. Bridges' and spend the evening with Dayley

WEDNESDAY 3

Morning, go down town, meet the Capt. & speak about having my room to myself. No money to be got, speak to the Col. about it. Go down to Dr. Kelloggs and and the Survey Rooms. Down to the vessel to lunch, make some paper tubes. With Glover down town again and back to vessel. Hyde and Starr Pollock, are discharged and Starr taken up again. Evening call on Mrs Brackett, Mr. Ames at the Lowe, both out and go to Mrs de Ros where I pass a very pleasant evening. Back to vessel at 11.

THURSDAY, JANUARY 4, 1866.

Morning. Make some tubes in the morning and go down to the office with Field. Go to Stearns' office and get Garretts letter. Get files of Bulletin and Atlas for him. Go up and see Dr. Trask and down to office and write to Garrett. Stearns also writes and I take the matter down to Brooke. Go down to see the Hayaway but she has not yet come in. Get paid off and pay Longman and Payot. Mrs. Denisons to take dinner pass part of the evening there & part at the consuls. The brig Olga is in, and letters from Mahood & Bush. Saw Frost at the office.

FRIDAY 5

Morning. -- Work over shells for a little while then down town with Field. Stop at the Russ House meet Hyde and get the dictionary of him. go down to Schmölges with him and down to Hubbards where I get a letter from mother who does not know of my arrival; at date. Round town on errands about collecting &c see Stearns, Brackett at the office. Go out to Mrs. Bridges' in the P.M. dine there and go after dinner to Capt. Scammons house and finding him out, to Mr. Lows where I find Ames. Rain.

SATURDAY 6.

Morning work for a little while on shells. Start off down town but am recalled by the captain who wants me to take him to the next meeting of the Cala. Acad. Luckily I shall probably be away. Go to Stearns' office, down to the Hayaway which has arrived, down to Survey Rooms, to Timmans, glass man, and Bulletin office to find about an article in last night's edition on the Acad. Back to Stearns office and down to vessel where I spend most of the day remaining, and evening, in working over shells & tubes.

SUNDAY, JANUARY 7, 1866.

Get packed up, and dressed for Monterey trip and work on shells a little while. Go down to the Hayaway and find nobody there, about twelve. Find a sailor who says she don't go till tomorrow morning at five o'clock. Get into the cabin and leave my traps there. Go up to Bolander who has given me letters to Dr. Canfield and Mr. Brown, dine and then go down to Stearns where spend the afternoon back to Bo. sup and go down to the ship wind blowing a southeast gale with rain.

MONDAY 8

Morning dark rainy and blowing a south east gale. After breakfast walk up town with Jared Norton, and trudge down to the Hayaway in the rain and mud. She does not go till the weather changes. Return Bolander rubber coat, invest in an umbrella & pair of slippers and take it comfortable. Work over tubes in the morning and over shells in the afternoon and evening. Get a large number packed and put away. Toward evening clears up somewhat. Write and work till late.

TUESDAY 9

Glover wakes me in the morning at five o'clock with the news of a fair wind, so I dress and immediately go down in the darkness and mud to Jackson Street wharf where I find the Hayaway lying peaceably. Take breakfast on board and about 8 o'clock warp out from the dock and soon pass the heads. The bar was quite smooth and we sailed slowly but pleasantly past point Pedro. In a S E by S direction the captain determines to go first to Soquel, and take a load of flour from there to Monterey. Turn in early.

WEDNESDAY, JANUARY 10, 1866.

Fine morning; light wind; beating past Santa Cruz to Soquel where we arrive about four o'clock P.M. Go ashore with the Captain and spend the time in picking up shells on the beach while he goes up to town. About six P.M. Davenport's boats come in, and we go aboard again. A heavy cloud bank renders every thing obscure and a south east gale soon begins to blow. After some excitement we get from off a lee shore and beat about in the bay all night. Toward morning, commence to work over to Monterey.

THURSDAY 11

Morning, turn back toward Soquel but indications of a southeaster coming on, start again for Monterey, and working over against a head wind at last get anchor down in the harbor which is a poor one open to the North & N.W. After supper go ashore, on a wretched wharf, meet Dr Callaghan who directs me to Dr. Canfield's where I introduce myself and go up with him to Mrs Carver who doesn't take boarders, and then to Mr. Harris' hotel where I shall stay over one trip. Aboard in the evening again with Capt Josselyn. & sleep there.

FRIDAY 12

Get things together to go ashore in the morning. Write a note to Stearns to be sent by the Captain. Wait for the schooner to haul up to the wharf. After dinner there, go up to Harris' Hotel where I leave my traps and look around and then go up to Dr Canfield's, who goes out onto the rocks with me and we obtain a sack full of shells of various kinds nothing very rare. Leave my shells with him, dine at the hotel and spend the evening at his office.

SATURDAY, JANUARY 13, 1866.

Morning get breakfast, and put on my trap-pings and start off on the Salinas beach, or rather the beach some 18 miles long extending from Monterey to the Salinas river. Go about five miles when it begins to rain and I turn back & reach the Hotel just in time for dinner. Get wet, but dry myself before a fire of the old fashioned kind. I spend the afternoon drying myself and packing up my shells. Get yesterday's collections from the Dr. and after dinner go up to his office.

SUNDAY 14

Morning. Start early for Cypress Point beach. Start up several flocks of the painted Quail. Follow a rude trail leading by an old sawmill now in ruins and following the cañon to the sea, arrive at the beach at last. Very rocky, and covered with dead *Haliotis*. Go up to Cypress Point but don't strike the island, although finding a few snails on the mainland. Start home late and am overtaken by darkness. Keep to the trail some distance, and then lose it, when I have a hard tug through the brush, two miles, to town where I arrive about 8 o'clock perfectly used up.

MONDAY 15

Morning, look over the shells obtained in yesterday's expedition and find to my disgust that nearly all the more delicate and rare ones were smashed getting through the bushes. Go out and get a lot of the rare lichen "Leonora fecunda" for Bolander and Luckenman. Back to dinner, after dinner go out and get more moss and some good shells which somewhat relieve my disgust at the meagre luck so far. Dr Canfield comes in and after some talk goes to his office with him and pass the evening.

TUESDAY, JANUARY 16, 1866.

Morning clear and fine work over the Pachypomas. Boil them, and extract them from the shell. Succeed very well. Get on my things and start out. Stop at Dr. Canfields. Go down on the beach just beyond the whalers camp and take notes on a Cala. Gray whale, whose remains lay stretched on the rocks. Get a good lot of small shells. Back to lunch and out again in the same locality doing very well. Back to dinner and clean up. Evening up to Mrs O'Neals with Brittain

WEDNESDAY 17

Raining hard all day. no chance to work outdoors. Pick out some of the small shells and proceed to sort them. Mrs. Harris makes me a present of two fine Bulini from the Society Islands & makes me an addition of two species to my list. Give Brittain some notes on the Expedition for his paper. Stage comes in from San Jose in the afternoon, no news. In the evening go up to Dr. Canfields and read the new Harpers Monthly and back to the Hotel. Talk with Brittain and Walker the schoolmaster, and turn in.

THURSDAY 18

Morning raining again fit to split. This makes bad work with my collecting.

Pack up my Pachypomas for transportation. Put on my rubber blanket - and in spite of the rain go up to the Doctor. Down to the Post-office with him and then down upon the beach where the tide being high a bitter wind and occasional bursts of rain making it very uncomfortable. Work all the afternoon getting some good small things. In the evening sort shells.

FRIDAY, JANUARY 19, 1866.

Morning, rain again. Down on the beach under my rubber blanket and pick up a few shells.

After dinner get some grub in a cigar box and under my rubber blanket start off for Cypress Point. Arrive there about five o'clock and go out on the island but to my great disappointment find very few snails. About five, pitch my blanket tent fashion, build a roaring fire, and under the shade of the cypress trees, am lulled to sleep by the eternal breakers of Carmel Bay.

SATURDAY 20

Eat my breakfast. Strike my tent, go over to the island again, and then take the road for home. Have a rainy, wet, nasty walk. Get some apples in town.

In the afternoon the U. S. S. Saranac, for Chile comes into the harbor for protection from a southeaster outside. She anchors.

Rains like the devil. Go up to the Doctor but find him out. Evening write talk and turn in early with a big disgust on.

SUNDAY 21

The same provoking, eternal rain. Go up to Dr Canfields; find him sorting over some shells which he collected yesterday afternoon on the Town and Salinas beaches. Look over his shells and pick out a few duplicates which I have not obtained. Back to the Hotel to dinner and in the afternoon go up to the Doctor and finish looking over all his shells. Feel symptoms of sore throat. Even'g, go over to Dr. Blankmans with Brittain and Walker.

MONDAY, JANUARY 22, 1866.

Morning, foggy but doesn't rain thank the Lord! Start out about nine and spend all day on the beach. About three o'clock start back and go over the Town beach where I find nothing. Have fair success.

Back to the Hotel to supper. In the evening Dr. Canfield comes down for a little while.

Evening read, write and sort over shells and tired enough early to bed.

TUESDAY 23

Day fair and clear. Start out to the half moon beach and get a few good things.

Coming back stop a few minutes with Curtis. After dinner go up to Doctor Canfield's where he joins me and we go out to Mussel Point beach beyond the Chinese fisheries and get some good things.

Back to dinner. The Vigilance Committee have bills posted all over town.

Evening write, sort shells, and read the papers.

WEDNESDAY 24

Morning. Feel a little rheumatic, and as the weather is damp, the clouds lowering and symptoms of rain approaching. I sit down and write a long letter about Monterey and my doings here enclosing a scrap from the Monterey Gazette.

Go up to Doctor Canfield's, down to Curtis, & post my letter. Back to the Doctor and go down to the town beach and get some *Urosalpinx* & *Pleuro-*
gaster. Back to supper. Evening. Write and sort shells as usual.

THURSDAY, JANUARY 25, 1866.

Morning, a most lovely day, clear and bright. Feel better than for several days. After breakfast start off with Mr. Powers to Mussel Point, all the other beaches being occupied with Spanish women and children. Call at Doctor Canfield's and finding him out go on. Have good success so much so, that I stay all day, while Powers goes back at one. Mr. Little's boy died of diphtheria today. Evening read the Boston Advertiser of Watkins and sort shells.

FRIDAY 26

Morning start off equipped for work. Stop at Dr. Canfield's borrow his Aulon iron and go down to the beach. See the Haya way coming in to my great delight. Spend some time on the rocks, come back without much that's new. A whale is brought on to the beach that was worried to death by the killers. Stay on the beach and watch the Portuguese cut him in. Get some baleen. Powers comes down & we go back to supper. Evening. Call on Miss Eloisa Abrego with Brittain, Walker, & Dwight-Person.

SATURDAY 27

Morning, go up to Dr. Canfield's and talk with him about the antilocapra. He gives me *dur-*
capina and *Aplysia*. The Haya way did not haul up to the wharf on account of the roughness of the water. Get letters from Stearns & Mother by Capt. Gosslyn. Pack up my shells partly. Go down to Mr. Little's and get a box. Go down on the town beach but find nothing. After supper with Powers, Brittain, and Walker, walk 5 miles down the Salinas beach, build a big fire and come back late.

SUNDAY, JANUARY 28, 1866.

Morning fair and clear. Go up to Dr. Canfield's get his tenaculum and spend the day cleaning & packing shells. Powers Brittain and Walker get ready to go to Salinas or Watsonville. Go up to the Court house with Walker. They start off about ten A.M. After dinner go down to Dr. Blankmans and spend the evening. Joe gives me two specimens of *Calliostoma supragranosa* a very rare and beautiful shell one of carpenter's new species. Walls is going to do mischief if the old Dr. don't wake up. So go the world.

MONDAY 29

Morning. Put my boxes of shells aboard the schooner also my old coat & blankets. Pack up to leave tomorrow. Go up to the chinatown beach with Dwight Parsons. Back to dinner with him. After dinner pack up my valise. Go up to Doctor Canfield and remain sometime. Back to supper and in the evening (get Lillies photo graph) spend the evening at the old Blankmans. Walls gone to Natividad.

TUESDAY 30

Morning fair. After breakfast Pack up my things. Pay Harris twenty dollars. Take my baggage over to Dr. Canfield's. Get the antelope paper from him. Go down with my baggage to the schooner. Go aboard. get dinner and about 4 o'clock haul off into the bay. About seven Captain Gosselyn comes aboard and we set sail for San Francisco. A Chinaman three sailors, a farmer with his grain, and Lambert the whaling Captain at Monterey. Passengers

WEDNESDAY, JANUARY 31, 1866.

Morning. early off Santa Cruz head. very little wind and cloudy with some rain. Make Point Pedro by dark. No chance of getting in at this rate before Friday. China man cubed up, apparently dead. Bunk with the Captain. Turn in early.

THURSDAY, FEBRUARY 1

Morning cloudy rainy and no wind. Beating of San Francisco North head all day. Don't get in in the daytime and have to wait at anchor on the potatoe patch for the night-tide which turns about seven. Lose the small anchor by parting of the chain. Anchor within 200 yards of the dock. Turn in early & sleep soundly.

FRIDAY 2

Morning early after breakfast go ashore and up to the Geological Survey Rooms. Meet Low on the steps. Go up to Stearns' office. Telegraph office. Col Bulkeley's room who has heard from Baird and gives me the letter to read. Go to meet Low. go down and see some magnificent pieces of coral. Pick out a lot from Low. Take baggage up to Geological Rooms. Meet Stearns and at office. up to Low's to lunch. Get a lot of letters. Down to office at 3. Down to ship to dine. Eng. call on Leammor Bolander & then

SATURDAY, FEBRUARY 3, 1866.

Morning. Go down town early. Go to the Survey Rooms, unpack shells and wait for Cooper. Look over shells with him and find some interesting things. Stearns, Bolander, Dr. Kellogg & Prof. Whitney come in. At twelve go up to Stearns office and meet Stearns and put off excursion for a short time. Back to Survey Rooms, work till 4 P.M. when I start for the ship meeting Capt. Scammon by the way. Get down just in time for dinner. Evening rainy, write and arrange room

SUNDAY 4

Morning. Dress and go down to the Occidental. Wait some time and see Col. Bulkeley and talk over the plans for the coming season, promotion, and whales. Give him Bairds letter and Ounga Island estimates. Down to church, am invited Thursday to Capt. Hoyts. Go down to see Wright, and Whymper. Go up to Mr. Lows and get lunch and corals, send them to the South Park. Down aboard, back to Mr Lows to dinner, spend some time there. He goes to church and I go down to the Klinkofströms. Hugh Ritchie is dead.

MONDAY 5

Morning. Down town with Jared Norton early. Get my hair cut, call at Stearns office and go down to the Survey Rooms. Work away at the shells all day till three o'clock in the afternoon. Stearns came in, and Cooper and we discuss shells and Carpenter. Go round to Dr. Kelloggs who goes with me to Mr Lacey's who has made up my suit of Vol I and II of Cal. Acad. Sci. except 4 pps and it is at the binders. Meet Laborn and stop at the office and see Whymper. Down to the Gale and in the evening go up with Black. Call at Mrs de Ros and spend the evening.

TUESDAY, FEBRUARY 6, 1866.

Morning. Down town late, meet Capt. Scammon and go to Hubbards and thence to Stearns office after letters. Leave shells at Geological rooms and then up to the Co's office but the Captain isn't there; back to Survey rooms. Work till a quarter of 4 at shells, Cooper assisting. Stearns came in during the morning. After dinner work at shells till seven and then go up town with Mr. Davison. Go up to George Adams' fathers store and talk with him for some time and then go round to Mrs. Bracketts and spend the remainder of the evening.

WEDNESDAY 7

Morning. Down town with Jared Norton. Stop at the office, no chance of getting any money. Stop at Stearns office. Go down to Geological Survey Room. Condense Cal. fields Antelope paper. Work over the shells. Chas. Stearns, & R. E. C. come in. Blake's attack will not be published. Up to the office at three. Down to the vessel with Jared Norton. After dinner write to mother, up town to Captain Scammons where we pass the evening with Capt Dearborn, talking over matters & things.

THURSDAY 8.

Morning. Dress and go down town. Stop at office no money. Go into Stearns office and borrow \$5.00. Down to Survey Rooms. Work all the morning on shells. Cooper and Mrs. Cooper, come in. About three, start up town. Get bound copy of Cal. Ac. Proc. from the binders. Get a pair of gloves. Walk down to the vessel part way with Laborn. Dress & go up to the captains, and after a short delay, go out with him and wife to a bridal party of Miss Bullene now Mrs. Whittermore, at Capt Hoyts. Have a jolly good time.

FRIDAY, FEBRUARY 9, 1866.

Morning down town, stop in at the office. No money to be expected. Step into Stearns' office and into Dayl's who is out. Down to the survey rooms and work over shells. Dr. Cooper comes in, and we work over some new species for some time. About 3 o'clock go up town, stop in at office and down to the vessel. After dinner go up a little way with Mr. O. Norton, then to R. E. C. Stearns', and back in the driving mist to Mrs. Klinkofstroms where I pass the evening. Dr. Frick is dead. Cooper goes to Santa Cruz.

SATURDAY 10

Morning. Down to the office with Jared Norton. No chance of getting paid off. This infernal humbuggery is outrageous. They are probably waiting for the repeal of the Specific Contract bill so as to pay us in greenbacks. Down to Stearns' office and the survey rooms where I work with Cooper, Kellogg, Bolander and Prof. Whitney all day. Stearns goes over to Dr. Newcombs but doesn't find him in. Evening, call on Stearns and at Mrs. de Ro's, but the girls are away all the evening.

SUNDAY 11

Morning. Dress and start with Black, and meet the Captain as we go down the wharf. Black goes back with him and I go down to church. Mr. Stebbins preaching a very fair sermon on the parable of the scriptures about the ten talents. After church go up to Capt. Seammons where we pop corn and then call at Mr. Noyes' where I find Mrs. N. down stairs and much better. Down to Stearns' to dinner. Name some shells and go down to South Park and take tea at the Consuls and spend the evening there.

MONDAY, FEBRUARY 12, 1866.

Morning. Down to the office. Chappel gone to Sacramento. Call on Stearns. Down to Hubbards, get a batch of letters, and go down to the Survey office and read them. Among the things in the lot sent from Sitka were two *Somateria Vnigra*, and 2 *Lampronetta Fischei* - both very rare and the last before wanting in the Smithsonian collection. Work on the shells a short time. Cooper, Frick, and Stearns in. Go round to Ayres' and unpack a barrel of fish mostly soft. Go to Col. B. & tell him of Bairds letter. Down to vessel and after dinner go up to Miss Napgoods and spend the evening. Nabbed on dancing.

TUESDAY 13

Morning. Down town. Stop at Capt. Seammons and make arrangements about dancing class. Down to office, no signs of paying off. See Stearns, get letter from P. M. S. S. office from Elliott. See Prof. Whitney about keg and alcohol. Go round town furiously in search of a pair of dancing shoes. Finally get them. Step in to Palots after Russian Grammar, not yet come. Passing the court-house am stunned for a little while by a blow in the face, by a board carelessly carried. Go up to the Captains and apply arnica. In the evening escort Miss Napgood to the Hall & back. Have a good time. & learn.

WEDNESDAY 14

Morning. Down town. Order straps at Norcrosses. Get keg and alcohol for Ayres' fishes. Into Survey rooms and clear away the loose shells which have been laying round for several days. Down to Stearns' to get the letter from the dead letter office which was not forwarded according to agreement by Gamble. See Conway about Kennicotts letter. Down to the Gate, to dinner meeting Glover by the way. Evening go up town with Black & Laboun and call on Hubbard and spend the evening.

THURSDAY, FEBRUARY 15, 1866.

Morning, Down town. Call at Dr Ayres who postpones the fish work till tomorrow. Ride down to the post-office with him. Go down & stir up the alcohol man. Down to the office of Survey, calling at our office and on Stearns'. Work over Trask's Leptosiagon plate, write to Elliott, and copy part of the Cal Acad. Proc. Maj. Williamson comes in. Up town meeting Miss Noyes, and down to ship. Evening walk up town, with Black, call at Mr. Lows. Ames is out. Call at Mrs Bracketts where they have a dancing party. Go down to Mrs Hapgood, play euchre and spend evening.

FRIDAY 16

Morning, Down town and call at the Captains to inquire about the attack on Charley by some ruffian on the bridge. Down to Mission Street Wharf and take a look at the Wright which is refitting magnificently. See Walker aboard there. Call at the office, at Stearns office, and write to mother incl. photo of Davison. Go up to Dr. Ayres' to lunch and pass the afternoon in repacking and labelling a barrel of fish which has been standing for nearly ten years. Take dinner there and go down to the Consulate in the even.

SATURDAY 17

Morning, Get things together and go down town. Into Stearns office and go down to see Prof. Whitney about fish. At eleven o'clock go over to Dr. Newcombs, and meet the Consul on the boat. Spend the morning with the Doctor who gives me Haulys Mon of the Tellinida. Stearns and Rowell come over. Go back on the 4 o'clock boat just catching the cars. Up to Stearns' to dinner and call at Mrs. de Ros and spend an hour in the evening. Down aboard. Read M. Ryan's Theory of Parallels, a hum!

SUNDAY, FEBRUARY 18, 1866.

Morning, Dress and go down town. Stop at Mr. Lows for a few minutes and walk down to church with him and Mrs. Low. Mr. Ames preaches better than usual. Back to Mr Lows after church with Mrs Low, and meet a Mrs. Thornberg. Take lunch there and spend part of the afternoon. Go down to Captain Noyes' to dinner. Mrs. Noyes is much better. Wendt is there. After tea walk down to Taylor Street with him and call on Mrs. Whittemore who is out. Go up to Stearns house and spend the evening there.

MONDAY 19

Down town, see Norcross about straps, which have been made with no end of mistakes. Down to Hubbard no letters. See man about kegs. Take pamphlets to Whitney. Dr. Newcome comes in and examines some shells and selects some from my Monterey collections. Go up to Dr. Ayres' and transfer the fishes into a smaller keg & have it headed up. Take lunch there and calling at Stearns' office down to Survey Rooms. Evening, ride out with Mr. & Mrs. Scammon and Mr. Pillsbury to Capt Noyes to make a party call; and returning call on Mrs. Whittemore and her husband and talk over dancing &c.

TUESDAY 20

Morning, Down to the Captains, read paper, call at the Hotel, see Col. Bulkley, give him Sci. outfit list. mention about Kennicotts letters and Conway to him. In to the office, in to see Stearns, down to Survey Rooms and copy in to Acad. Proc. at noon go to lunch with Stearns, see Kellogg about drawings, meet Taylor, go down and see Wendt about Fricks books. Write to Canfield. Get straps at last. from Norcross. Ev. Up for Miss Hapgood down to Lunts Hall and dance all the evening. Go home with her having had a good time & down to ship.

WEDNESDAY, FEBRUARY 21, 1866.

Morning. after breakfast down with Black to Capt. Scammon's, who is out, then down to the office where we meet him, and I have a little talk on Company matters. Get an order from the Col. for the microscope and take it down to the Survey rooms. Leave books at Bosquis to be bound. Call on Stearns and go to lunch with him. Down town. Call on Cutter (out) Dr. Kellogg, see Lancy, call again on Bosqui, down to Survey Rooms. Prof Whitney goes to Sacramento leaving the key with me. Evening call on Capt. Scammon (see Lane of the Behring) Ames at the Consuls and follow them up to Mrs de Ro's

THURSDAY 22

Washington's birthday. At sunrise have the Gate dressed in a full suit of hunting, from bobstay, to spanker boom. Clara Bell & fleet also dressed as far as they had flags. At noon fire a salute when Col. B. & a small party visit the fleet. Down town, call on Lorquin and get a few Mediterranean shells. Call on Bosqui and show him my pictures. Down to Survey Rooms and color the plates of my Cal. Acad. Proc. Up to Louth Park and take the ladies down on board the Gate where we see the boat race. Up to dinner at the Consuls and in the evening go up and call on John Lewis. 865. Mission

FRIDAY 23

Morning down town with Dan Pollock. Call at office, on Stearns and name some shells. Call and get letters at Hubbards down to Survey Rooms. Call on Whymper at his room. Out to Capt. Scammons and leave a photo for Capt. Dearborn. Take the Mission cars to hunt up Dr. Fricks family who have moved in town. Call on Mrs Hoyt and meet Mrs M'Dowell and Mrs Drum who invite me to call at Black Point. Call on Mr Bridges and then down to dinner aboard. Evening call on Mr. Stebbins. Mrs Denison and Mrs Taylor & aboard late

SATURDAY, FEBRUARY 24, 1866.

Morning. Down town early. Stop at the office. Call in at Stearns' office and discuss our drunken Presidents speech. Down to Towne and Bacons and make arrangements for printing 100 copies of memorial of Bridges for Mrs. B. Down to Rowland, Walker & Co's to inquire if the Sitka ship has yet arrived and find she is at the Sandwich Islands. Go up to the Survey Rooms, where I find Bolander. Write letters all day. Stearns comes in. Get letter & paper at Hubbards. Evening, group on the hill and call on the Lowes & Mr. Ames. Go down to the Oddfellows library with him and back.

SUNDAY 25

Morning. Down to church, and sit with Capt Noyes. Mr. Stebbins preached a political sermon and a pretty good one, hitting our drunken President pretty hard sometimes. Down to see the Col, who is out. Call at Capt. Scammons and spend a half hour. Round to Capt Noyes, and show Mrs. N. the sketches by Whymper. Up to Mr. Lowes to dinner, Miss Thornberg & her child being there. After dinner go down to the Consuls show them the sketches, and also Capt. Sandman and Miss de Ro, who were there, Aboard early. Today has been a very pleasant day though cloudy

MONDAY 26

Morning dress myself, and go down town. Stop at Dr. Ayres'. Find Tommy Newcome there, his mother is quite sick. Get photograph &c of fish. go down to Col's room to ask about photo's. then to office where I find the Captains flag book &c. Stop in to see Stearns and down to Survey Rooms. Up to Dr. Ayres pack sundries in box, take lunch, keg to Saw H. down to Survey Rooms, write. Take box to Hubbards. Leave instruments at Captains. Down aboard. Rains. In the evening down to Stearns'; go to Rowells house find him out, return and spend the evening with Stearns

TUESDAY, FEBRUARY 27, 1866.

Morning, down town. Call at Stearns' Office and discuss the President's course. From there to Towne and Bacon's and the Survey Rooms. Work at copying into my Cal. Academy's Proceedings and get the vacuum finally filled. Commence copying the plate of the Washington lily. Go round to Towne and Bacon's and get the copies of Bridges' memorial, which are beautifully printed. Down aboard to dinner. Dress and go up town again for Miss Hapgood and dance all the evening at Lunt's. Have a good time but get well tired.

WEDNESDAY 28

Morning. A pelting rain. Go out to Mrs. Bridges and carry the copies of the memorial to her. Down town, see Stearns and go to the Survey Rooms. Call on the Col. speak about Elliott, and leave a copy of the memorial with him. Finish the plate of the lily which makes my volume now complete. Prof. Whitney goes to Sacramento. Work out the lingual ribbon of *Octopus punctatus*, Pabb. Evening leave note for Ames at Mr. Low's call on Mrs. Raymond who is gone to New York, round to Stebbins' whose wife is better. From there to Mrs. Hapgood's where I spend the remainder of the evening.

THURSDAY, MARCH 1

Morning. Dress and go down amidships and get out a box of vials. Down town. Meet Latham and go in to the office with him. In to Stearns' who is busy and down to the Survey office where I work nearly all day at the Monterey shells. Down to Bosquis and find my books are not done. Back again and then down town. Evening. Call at the Captains and meet Capt. Plummer, over to Stearns' to go with him to Bacon's and find all out. Call on Mrs. Brackett.

FRIDAY, MARCH 2, 1866.

A beautiful day. Down town, leave boots to be mended, stop at H. Es. Office but don't go in. Down to the Survey Rooms and work all day at a paper on *Octopus punctatus*. Y. for the next meeting of the Academy. Sort over some more of the Monterey shells. Stearns comes in and two or three inquiries are made for Prof. Whitney. Go up to Stearns' to dine coming down get clothes from Chinaman and boot from Jew. Evening go up to the Consuls where I meet Capt. Sandman & Walker, Mrs. Walker, Mr. Rowland and the little Walker girl and her father.

SATURDAY 3

Down town and see the Col. about money, and sci. equipment. Call in on Stearns, and go down to Hubbard's, expecting a letter from Stimpson but find none. Down to Survey Rooms and find Prof. Whitney has returned; work till 3 P.M. on shells. Stearns comes in down to office, not ready. As per Col's permission see about having two plant boxes and a dredge made. Down to office, will only pay half what is due me which I won't take. Col. out. Evening. Call at the Occidental, meet Col. Williamson. Down to Mrs. de Ros's without Glover after all, Olga, Charlotte and a friend there.

SUNDAY 4

Morning. Work over shells. Down to church. Mr. Stebbins preaching. King's tomb is beautifully decked with flowers it being two years today since he died. A very good sermon. After church down to the Occidental but don't find the Colonel. Down to Capt. Scammon's; who feels as I do, that matters are approaching a crisis. Up to Mrs. Low's, see Ames and walk down to the Wright and go over her and back to the Low's with him. Down to Capt. Hayes' to dine. Wendt goes East on the 30th to study for the ministry. Down to the Consuls in the evening. Mrs. Stahl there.

MONDAY, MARCH 5, 1866.

Morning. Work at shells, down to the Colonel's room but he is not up, and Harry reports him in a savage humor having been roused too early; so I don't stay. Step in to see Stearns for a few minutes. Down to the Survey Rooms and work over the shells. Legislators in, all the morning. Afternoon, meet Bugbee and look over some drawings with him. Meet Mr. Low who speaks of annoyance and offers help. Down to ship but find that they have had dinner early. Go up to Mr. Low and stay a little while and then down to Acad. meeting where I present a short paper on *Octopus punctatus*. 9 o'clock.

TUESDAY 6

Down to the Occidental; Col. B. gone. Go down with Harry to the office, get permission to have the fishbags made and also net frames and geological hammers. Also get promise of money in afternoon. Call on Stearns, and on Bosqui. Go into Town and Bacons and get an old wood cut. Up to Van Vlecks and get it cut and cleaned.

Over to the Survey Rooms and draw fig. of teeth. Lunch with Bosqui. Meet Bugbee. Down to vessel late and don't draw my money. Steamer telegraphed.

Evening, go to Lunt's with Miss Hapgood and pass a pleasant evening. It's a question if I can afford it again.

WEDNESDAY 7

Morning. Down to the office and get paid off. Go in & pay Stearns what I have borrowed. Down to Hubbard's and get letters and package of books. Down to Survey Rooms and open it. Cut out my drawing of the teeth. Down to Van Vlecks and get proof of it and to Bosqui's and get books and have more to be bound. Call at Mr. Stebbins and see Miss Fisher. Evening.

Call at the Consuls about book for Mr. Walker.

Call to see Ames who leaves for the country Friday. Call at the Captains and go down and see Bosqui.

THURSDAY, MARCH 8, 1866.

Morning. Down town, stop at the office, but find Lewis away sick. Go down to Hubbard's office and find a book from the U.S. Go to Mr. Rankin's and meet Dr. Stone who has given my parcel to Hubbard & Stebbins. Get desk of S.; meet Dr. Stillman there; down to Survey office and write letters. Stearns comes in. Up to Col. B's room, find Capt. Scammon there. Go down to Pillsburgs with him. Up to Hubbard's house and get parcel. Evening, over the bridge with Black, out to Mrs. Lewises, down to Mr. Low's to see Ames who goes up country tomorrow. Walk down with him and call on Mrs. Stillman.

FRIDAY 9

Morning. Down town, stop at the office; get some more cloth for fishbags; stop at Stearns' office for a short time. Down to the Survey Rooms and write letters.

Yates and Algimora down by the Active. Popes party a fizzle. Call in at Locke and Montagues and see about dredge and sieves. Down to the vessel to get pamphlets ready for posting. News that Dr. Fisher goes East by tomorrow's steamer. After dinner down town and post letters &c and down to the Consuls and pass the evening.

SATURDAY 10

Down town to the office. Dr. F. goes per steamer and the keys of the medicine chest are given to my charge. Call at Stearns' office, stop at Bosqui's and at Fourn and Bacons. Down to the Survey Rooms and work over Pachypoma. Down to lunch with Stearns and back to office then meet him at S. & B.'s call for whyniper and go out to the Mission and gather wild flowers all the afternoon. Call at Captain Hoyt's stay till dark and by the hansom to Stearns' where I dine and leaving some flowers at the Consuls call on Mrs. B.

SUNDAY, MARCH 11, 1866.

Morning. Dress and go down town early. Meet Pierce on the bridge with a Mr. Loan. Over the hill meet Hubbard with Mr. Kellogg. Going further on meet Dr. Stone, all out enjoying the beautiful morning. Down to the Captains and make a short call there and then start for church. Meet Mr. Stebbins and walk up with him. Sit in Mr. Lows pew. Have a good sermon. After dinner go up to Stearns and spend the afternoon. Stay to dinner. Go down with Stearns to Bagones, and on the way meet Wetherbee, Childs, and a friend of his. Call there and then go down to the Consuls, where I meet Mr. & Mrs. Cmasse, & Lottie

MONDAY 12

Morning. Early breakfast. Down town, call on Col. Bulkley, speak about Rothrock and Elliott. Go up to Dr. Paines he is out, call on Stearns. Go down to the Survey Rooms and work all day copying notes from Coopers book of Carpenters Supplementary Report on the West-Coast Shells into my interleaved Smithsonian Check list. Stearns comes in and borrows my first Report on the W.C. Shells. After dinner Caldwell comes down with a note from Col. Bulkley. Evening. go up town with Capt. Marton and Harding. Call on old Rowell who gives me some shells and after ward on Stearns where I finish the P.M.

TUESDAY 13

Morning. Show *Tectarius coronata* which has survived four years drought; to Col. Bulkley and speak to him about Caldwell and reps. to dredges. Call at Stearns office and see Brooks and Van Vleck. Down to Locke & Montagues and see about dredges &c. Get a side of leather for dredge and meet Dr. Ayres. Ride up to Geolog. office. Go & look for nets and don't find any. Work over *Trochiscus Noronensis* and prove it to be a trochid & not proboscidean. Down to the vessel and work over some shells. After dinner dress and go up for Miss Hapgood and dance at lunch all the even

WEDNESDAY, MARCH 14, 1866.

Down town. Step in to the office and into Stearns office. Go down to Locke and Montagues but find the fore man out. Go to Henri Payots and look over Dore's Illustrated Bible. Down to Dr. Trasks and borrow his microscope. Leave it at Stearns' and down to L. & M. again, all out. Leave micr. at Cookes, to lunch with Stearns and down to Post Office & Robinsons with him. Down to Survey Rooms and work. Up to L. & M. & leave orders. Down to the Gate to dine and up town after dinner. Call at Lows, leave pants at Tailors, walk to church with Ames. Leave card at Mrs. Whittemores, call on Mrs. Stebbins and on Mrs. Taylor.

THURSDAY 15

Morning. Down to Dr. Ayres' and get sharks jaw. Call at the office and into Stearns' office and down to Hubbards' but the mail is not yet distributed. Down to Locke & Montagues and get bill of seives &c. Go to Survey Rooms and write to Cooper & father. Letters from home tell of the death of Grandma Dall from nervous prostration, the result of a severe fright. Go aboard and dress to go over to Black Point to see Mrs. Ben. McDowell. Down to the Captains and conclude not to go over. Call at the Noyes', see Mrs. N. & Willie, call on Bolander who is out, on Miss Hapgood, also out. Go out to Mrs. Lewises and spend part of the evening, meet a Miss Abbott there & see her home

FRIDAY 16

Morning. Down town with seives &c. to Locke and Montagues. Meet the Consul going down town and walk with him part way. Work at the tin shop nearly all day wiring two dredges and leave the boy wiring the third. Down to Hubbards and find nothing, but go down to the Survey Rooms. Write to Mother and Geo. C. Walker. Down to Tel. office find it locked & meeting Stearns go down to dinner with him. After dinner go down to the Consuls and up to Mrs. de Ros, where I find Charlotte & Olga - and spend the P.M.

SATURDAY, MARCH 17, 1866.

Morning. Caldwell comes up and reports for duty. Let him at work sorting shells &c. Down town and step into the office see Wright about Caldwell and step into Stearns' office for a few minutes. Down to Locke and Montague and look over the articles ordered which appear to be all satisfactory and give directions about having them packed. Down to Survey Rooms and work till noon when Stearns comes in and we go to Oakland and call on Dr. Newcomb. Look over shells and stay till 6 o'clock grub at Restaurant and call on Whyms & Hapgood.

SUNDAY 18

Morning. Dress, bathe, and start down town with Moree. Go to Mr. Stebbins' where we have an excellent sermon on death and good singing. Walk down with Capt. Noyes' to the P.O. and up first street - to the Captains. He is out but soon comes in. While there Dr. Toraku comes in and soon after Mrs. Klinkofstrom and Mrs. Kochkin. Go up to Capt. Noyes' to dine and meet General Wilson and Wendt who goes East to-morrow. After dinner go over the hill and spend the evening at the Consuls who don't go to Alameda.

MONDAY 19

Morning. Down town, leave clothes with Chinaman. Call in to see the Colonel and get promise that Elliott shall be sent right down. Get introduction to Mr. Keith and carte blanche. See Stearns, Locke & Montague & go into Town & Bacons and get some paper for tubes. See Tommy Newcomb and go into the Purvey office and work over Trochiscus Noronhai &c. Into Basquin and get books which have been bound. Up town meet Stearns. Evening go to Academy meeting and speak of Coopers collections at Santa Cruz & St. Cronkitt &c.

TUESDAY, MARCH 20, 1866.

Morning. Down town into the office, down to Locke and Montague. Get bill of Hardware. Dredge is charged at extortionate rates. Down to Keith's with the list of drugs &c. Go into Hubbards and find him out. Up to Purvey office, meet Dr. Newcomb. Baron Reithoven has returned. To lunch with Dr. Newcomb and up to Stearns office. Down to the Oakland boat with the Dr. and up to Purvey office. Write to Dr. Cooper. Down to Stearns' office and out to Mrs. Bridges with Prof. Hany's letter. Work over shells with Dora. Dine there and in evening up with Miss Hapgood to Lunt's.

WEDNESDAY 21

Morning. Dress, pack up shells &c. for identification at Dr. Newcomb's. Down town after seeing Caldwell and giving him some work for the coming few days. Go to Stearns' office, see Uncle Jim Laidlay and Mr. Gilton. Meet Stearns and go to Hubbards office & get the parcel in which my coat &c came, and then down to Keith's where we talk over the list of articles and smile. By the 11.15 boat to Oakland and meet Wicker in the care. Arrive at Dr. Newcomb's meet a Mrs. Corson, and spend the remainder of the day and evening looking over & naming shells.

THURSDAY 22

Morning. Cloudy and dull. After break fast spend most of the morning looking over shells with the Doctor identifying and naming them, especially Achatinellas. In the afternoon the Doctor goes out and leaves me to the shells and books. Evening Tom comes home and after dinner go over the garden and look at the promising plants roses and gladioli. Go over with the Doctor to Prof. Wm. P. Blake's where we see a lot of shells from Japan &c. spend part of the evening and then return to the Doctor's.

FRIDAY, MARCH 23, 1866.

Morning. Doctor Newcomb called off at four o'clock by a case of protracted labor, 18 miles away. Work over the shells by myself, look over the duplicates and identify many of them. Lunch with Mrs. N. and when the Doctor comes back take a short ride with him. Box arrives from Dr. Cooper with the new snail which is a very handsome one. Doctor is called off to San Leandro and I go into town by the 4.45 boat. Dine with Tommy Newcomb and go up to Whympers room, fix up and go down to the South Park, find O. out, and spend the evening at Dr. B's.

SATURDAY 24

Morning. Dress, and after breakfast go over the new ship Nightingale with the boys. She is a fine vessel and well suited for our purposes. Down town with Caldwell, stop at the office and see the Colonel, down to Stearns' office; from there to Hubbard's and Keith's Alcohol secured at \$1.75 in bond, tinned & boxed. Cork also obtained. Down to Survey office give Caldwell Carpenters Rep. to copy. Stearns comes and go to Lorquins, Robisons and Payots with him. Over to Mr. Low, to dinner. Evening, go with Mrs. Low, Mr. Thornberg, & Mr. Low to the new synagogue.

SUNDAY 25

Morning. Dress and up town to the Occidental. Find Col. B. out leave card for him. Round to Mr. Stebbins church met Glover & Morse and sit in Capt Noyes pew and have a good sermon. After church round to the Cosmopolitan, no orders. Call on Mr & Mrs. Col. Nyde. Up to Capt. Scammons and walk down to the ship with Messrs Hanscoms, Wicker & Wright. Up to Mr. Low to dine and talk about a trip to Sacramento, after dinner round to the Consulate and round to Dr Peck church with the girls. Back to Park and ship.

MONDAY, MARCH 26, 1866.

Morning. Down to Occidental, see the Col. for a minute about medicine chests and then down to the office see Wright about the same. Slip into Stearns' office who has a letter from Putnam. Into Hubbard's get small mail and then to Keith's. Round town about arsenic. See Keith and up to the Survey rooms where we have a very decided shock of earthquake which makes the Baron take up his hat and start for the door. Up to Mr Low's lunch, down town with Mr. Low, over to the ship and back to his office and down to the Sacramento boat the new "Capital" and leave at four o'clock with Prof Whitney, Baron Richthoven, Alwood &c.

TUESDAY 27

Morning. Dress about six o'clock and go up K street Street to the vicinity of the new Capitol, and to Gov. Low's house where I wait till he comes down. Deliver letters take breakfast and adjourn to his office. Take a note to Senator Porter and go to the Senate Chamber and take a seat by him in the floor. He is an old schoolmate of father's. Talk over Survey &c. See Bugbee, go into Assembly and back to lunch at the Governor's. Rec'd letter and take the 2 o'clock boat for San Francisco, coming down with Prof Whitney, and T. R. Brooks. Arrive in San Francisco about nine o'clock. Up to Mr. Low's and over to the vessel.

WEDNESDAY 28

Morning. Get my traps together and with Caldwell's help, get most of them into my new quarters in the cabin, Col. Bulkley's old room. See Capt. Sands about the medicine chests. Down with to the office see Col. Bulkley, get permission to buy paper & traps. Into Stearns' office, down to Hubbard's, get parcel from Cooper. Down to Survey Rooms, see Keith about medicine, to Survey Rooms & write, Up to office & to Payots, see Stebbins, over to vessel, work over traps transferring them and go over to Capt Scammons & call.

THURSDAY, MARCH 29, 1866. see next Page

Today will be found by accident, written under date April 4.

WEDNESDAY, APRIL 4 1866

Morning. Down town with Caldwell & Black stop at the office. Down to Hubbards after letters. Then into Keiths and set Caldwell at work again on the medicine chests. Work there myself till 12.

Get Books from Towne & Bacon. See Prof Whitney, Mr. Porter, Mr. Hanks &c. See Stearns. Evening up to the Captains with Davidson and Black. From there to Occidental and spend an hour with Prof. Marcy of Evanston, Ills. and find Smith & Whymper abed.

FRIDAY 30 see next page

Today will be found by accident under date of April 5.

THURSDAY 5th.

Morning take a boat with Starr & Caldwell and board the Bark Rutgers, and the Onward. get the medicine chest and three Quartermasters boxes. Down town with Caldwell. Stop at office Hubbards & Keiths. Go over the Palmettos chest with Mr. Steele. Over to Whitneys office & down to ship. Hear that Olga has met with a severe accident falling from her horse up to the house after dinner, find her better. Down to the ship with Harry & up to Whitneys abt moving.

SATURDAY 31

Morning damp and rainy. Down town with Caldwell and send him to look for rattraps and gun. Stop in to the office, then into the Harbor Commissioners & down to Keiths, from there to Survey Rooms, where I work over Monterey shells. Caldwell reports and Stearns comes in and we post over in the rain to Dr. Newcombs and look over shells & take dinner there. Return at 6.20. Engine delays us by busting. Go up to Whympers room and brush up, and down to the Central Park where I call on Mrs. de Ros and miss Olga.

SUNDAY, APRIL 1, 1866.

Easter Sunday. Write and work on board the Gale in the early part of the morning. Go aboard the Nightingall. Up town, leave eggs at the Consuls. Call at Mrs. de Ros. Find she is going to ride; and then walk over to Trinity Church where we have Easter Services and only fair singing. Leave before communion and go over to Mr. Lows where I find Ames who preached today. Preach my project of amalgamating the Sacraments into River bed. Over to Stearns to dinner, and work over some shells with him. Evening call at the Consuls meet Baron Richthoven and have a very pleasant time.

MONDAY 2

Morning. Work over boxes &c with Starr & Caldwell. Down town to the office, thence to Locke and Montague's, thence to Badley & Rulofsens and have some photos finished. Thence to Keiths. Towne and Bacon's and the Survey Rooms where I find Colwell. Work a short time of shells. Down to pawnbrokers to look at exp into Keiths and Stearns office. P.m. afternoon. Get Glasses of last meeting. Evening Cal Academy meets. Call at Botanders find him. ~~After~~ out of town go down and read Coopers paper, acting as Secretary. Bloomer being away Mr. Crofts U.S.A. was there.

TUESDAY 3

Morning. Down town with Caldwell. Stop at the office. Wicker compliments me on my work so far. Down to Keiths with Books fwh. Receipt. Set Caldwell to work systematizing the accounts. Work most of the morning there and then into Towne and Bacon's and up to see the Prof. and talk about the Cal. Ac. Sci. Back to Keiths. Stearns office up to Loquins and get some shells. Down aboard. Evening. Go up to Miss Hapgoods and find her gone to San Jose. Leave pumps at Keiths and go to the "Sheeps Foot" with Baron & the ladies.

see one page back.

WEDNESDAY, APRIL 4, 1866.

March 29.

Morning. Aboard the Nightingale to see the U.S. Rev. flag hoisted on her for the first time. It was yesterday transferred from the Gate to her. The poor Gate is being stripped of wardroom, fixture, skylights &c for the new flag ship. Down town to office, Stearns' office Locke and Montague, Hubbards and Towne & Bacons. Keiths, and down to Langley Crowell & Co., after arsenic. Up to Keiths & down to Survey Rooms. Work out the jaws of N. Dallana and Dupetit-Thouars. Evening, call at Mr. Low, round to inquire about taking an M.D. of Dr. Ayres; (which is not impossible) & round to Mrs Taylor (Mar 30) (THURSDAY 5) see one page back)

Morning. Over to Capt. Sands and look over his medicine chest which needs refitting. Up town and report him for disobedience of my orders yesterday in not sending it up. Into Stearns' office, down to Keiths and round to the Survey Rooms. Work over eggs till two and then go round to Towne & Bacons. Order paper and then back to Survey Rooms. They have got an appropriation of 22,000 per annum for 4 years. Call at Keiths & down to Ship. Sands chest has gone up at last. Evening go round to Mrs Lewis and with John go and call on the Klinkofstons

FRIDAY 6

Morning. Take an inventory of Fishers chest. See the Captain on board the Nightingale. Down town with Caldwell leaving Starr to help Black. Into the office for a moment. Down to Stearns' office and discuss Cal. Acad. Sci. Down to Keiths, Towne & Bacons about paper. Prof Whitney's office, see Mary. Up to see Stearns again round looking at rooms & go with Prof. Whitney to Donahoes building and engage rooms. Home to dine with Stearns and go in the evening to the South Park and call at Mrs de Ros.

SATURDAY, APRIL 7, 1866.

Morning. Down to the office early with Starr and Caldwell stop and see the Colonel, no news from Elliott. See a Mr. Fritts at the office who is detailed for duty with me. Down to Keiths and leave Fritts, Starr and Caldwell at work there. Down to The Geological Survey Rooms and work for a short time over them. See the Prof. go to meet Stearns, lunch with him and with Mr. Caldwell help we work all the afternoon at moving the Cal. Acad. Sci. things into their new and pleasant quarters. Dine at Stearns' washing at his office and call at the Consuls on my way aboard. Sudden news abt. Rev. one officer in the Service SUNDAY 8 being detached again - Morning. Long talk with Caldwell. Up to Mrs Ayres and go to hear Dr. Stone with her. Have a very good sermon on the atonement. After church drop two notes for the Alta & Bulletin, call at Capt. Scammons (out) at Mrs Low (out) Hubbards (out) and finally on Mrs Noyes where I spend a half hour or two pleasantly. After noon go over with Caldwell to Starr Pollocks calling at Caldwell's Aunts house on the way. After dinner take the cars and go straight to the vessel and spend the evening writing letters.

MONDAY 9

4 Morning. Call at the office, send the boys to Keiths and stop at Stearns' office for a few moments; down to Hubbards and Keiths. Get the boys at work on pillboxes &c. Fritts on inventory. See Dr. Kellogg and get the minerals and plants moved down to his cellar. See Whitney and Stearns at the Rooms and go round again to Keiths and set the boys at bottles. Up to Rooms of Cal. Acad with Whitney & Stearns. Down aboard, find Harry there and in the evening call at the Consuls & Mrs de Ros.

TUESDAY, APRIL 10, 1866.

The steamer sails today. Very hot & sultry, and a small shock of earthquake in the morning. Down to Keiths stopping at office and Stearns'. Col. B. comes in and goes on a tear about Quartermasters boxes. Up to Carpenters with Keith to see about chest. Boys at work on the corking bottles. Feel out of sorts and go up to Geological Rooms and work till late. Down aboard the ship, dress and get ready for dancing class. Go up and take Miss Hapgood into Lunts and pass the evening very pleasantly.

WEDNESDAY 11

Morning. Take a boat and row round the Palmetto which is carcened over to clean the bottom which is covered with mussels and weed. Get a fine sea ularian from her. Down town, stop at the office, get a note from Col. Wicker in relation to the boxes. Down to Keiths and get the boys to work corking bottles &c. Work with Steele over boxes &c. Over to Survey Rooms, up to lunch with Bacon. Back to Keiths, see Col. W. back to Survey Rooms. Evening call at Mrs de Rosfor a minute, Mrs. Lows. Mr. Hubbards*, Mrs. Brackett*, Dr Ayres* & Whymper.

THURSDAY 12

Morning. Work over shells for a short time. Down town to the office. Get order from Wicker in regard to purchasing invalid food. Get books at Bancrofts and see Stearns. Into Keiths. Col. B. orders all chests up to Keiths again, and goes on a tear. Order chest for Flagship. Over to Survey rooms. Find Dr. Newcomb has been there and goes to Stearns office with him & up to New Acad. Rooms, and down to Robisons. Up to Keiths, dine with Stearns and go down to the ship. See Capt. Scammon & call on Mrs Lewis

FRIDAY, APRIL 13, 1866.

Morning. On board Nightingale to examine storage rooms. Down town to office with Starr and Caldwell. Wright sick! Down to Keiths and find uncertain orders awaiting, which I go up to have, in written form, and meeting the Colonel get them arranged. Work over the medicines in the morning. Meet John C. Bremon there. Over to see Dr. Kellogg, and get letters from Hubbard. Down to the Wright with Laboune and see sick Aleut. Down to the vessel, dine with Capt. Scammon. Evening, up town and call at Mrs de Ros, the Consuls, and Mrs. Lows. Fanny Ames is coming out. Low will soon be back from Wash.

SATURDAY 14

Morning. Aboard the Nightingale with swordfishes bone which was found driven through six inches of solid wood in the bottom of the Palmetto. Down town send Starr to pay Lorquin, and Bob to Whitneys office for gold, and to get certificates and go to Keiths. Stop at office, Stearns', and then to Keiths. Prepare medicine for sick Aleut. Go into Bancrofts, look over medical books, into Keiths, up to office, see Laboune. Go to Survey Rooms, work over shells a little while, down to Oakland boat, over to see Dr. Newcomb, back by six oclock boat spend evening with Stearns

SUNDAY 15

Morning, over to Flag-ship and back to dress for church. Wind blows very fresh all day; dust by no means agreeable though very plentiful. Intend to hear Dr. Scudder but finding my self late, go to hear Ames who preaches a sermon on the services of President Lincoln a very good one. after church go up to Stearns' house stay part of the day and dine. Evening, meet Ayres going over the hill & speak again of "M.D.". Call on Ames and see Mr. Low who has got back and then down to the Consuls and spend the evening. Olga is better.

MONDAY, APRIL 16, 1866.

Morning. Down town to office. Send Starr with alcohol to Dr. Kellogg and pants to Geimans. Caldwell to Keiths to prepare Alunts medicine. Step into Stearns office and see about Academy Rooms. Down to Keiths and work in a state of mental exacerbaton, over the Wrights, Rutgers, and Army Medicine chests. About 1.13' start for the door when the explosion of nitro-glycerine at Wells Fargo's. shakes the town. Up to the scene, and back to Keiths where I assist on the wounded for some time. Up to office; round with Lewis, to Acad. rooms with Stearns and dine with him. Academy meeting in evening

TUESDAY 17

Morning. Down town with the boys. Stop at the office. Get order from Wicker about boxes. &c. Stop in to see Stearns & his arrival from Damon which don't amount to much. Down to Hubbards, leave note for Hepburn at Faulkner, Bells. Down to Keiths, work on medicines &c. Send Caldwell down to the Wrights to see sick Alunt - and go to Geimans and to Dr. Kelloggs. Up to Whitneys office and work for a little while. To Consuls, O.K. relapsed, and down town again. See Stearns. Down to ship dress and go up to Miss Hapgoods. and spend the evening pleasantly at home.

WEDNESDAY 18

Morning. Steamer sails for Panama. Wright comes alongside the Gate and Bark Mary Hicks with coal alongside Nightingale. See Contin aft boxes. Down town to office. Stearns and Keiths, plan objects to carrying a bundle down Mont gomery St. so I do it - my self and after work is over, order him to report to Libby for duty. Work at Survey Rooms and down to ship stopping at Rudolfs by the way. See Mrs & Miss Lewis. Spend the evening moving my traps on board the Nightingale pro tem.

THURSDAY, APRIL 19, 1866.

Morning. Down town with Caldwell stop at office and see Stearns who has a tremendous lot of shells, mostly cowries, from Gove. Step into Shultzes, Van Bergens and other liquor dealers and test alcohol which is good. Step into Keiths and set Fritts at work, rewriting the inventories. Up to Survey Rooms and work a while. Let Caldwell at work moving traps aboard the Nightingale. Hepburn comes in and at 3 P.M. go and assist him to move out of the ruins. Call into Stearns' & down to ship. Evening. Talk with the Captain and go up town. Call at the Consuls & Mrs Hapgoods. Olga better

FRIDAY 20

Morning. Let Carpenter at work in my room. Down to the office with Bob. Stop at Stearns who has another invoice of shells. Leave photograph at Rudolfs cap at Nicholsons, step into Keiths and work over food for invalids &c. Up to Survey Rooms, King back from Arizona all safe. See to Kegs, stencil &c. over to Ks. Down to Stearns & see Hepburn leave shells at Nucleus; down aboard. Evening call with Capt. Seamon & Mrs. on Mr Hapgood call on Mrs Brackett. Down to see the Colonel and to Maguire to hear the "Hunchback" with Harry

SATURDAY 21

Morning. Down town with Bob C. Stop at the office, another nitro-glycerine explosion reported at Panama and fifty lives lost. Stop at Stearns office for a minute. See Col. Bulkley who assures me that Henry Elliott is coming down. Down to Keiths where the new medicine chest has arrived, it is very handsomely made of yellow pine, varnished. Work nearly all day over it making out lists. Down to Survey Rooms work a while. Walk down with Bugbee, and in the evening go up to the Park & call at Mrs. de Ros

SUNDAY, APRIL 22, 1866.

Morning. Over to the Gate for breakfast, back and dress. Sumner Bugbee comes down and I show him over the ship. Walk up to church with him and hear Doctor Sudden preach on John the Baptist. Am introduced to him after service and invited to call. Go round to lunch with Bugbee and stay till about two when I go round to the Nucleus for Mrs. & Miss Hapgood. Down to the ship with them and show them around. Up to the cars, and leave them. Go to the Park, and call at the Klinkopströms. Olga tells today. Consul & wife unwell. Day very hot & still.

MONDAY 23

Morning, again very hot and sultry. Down to the office early. Meet Ralph Pope at the door of the Nucleus, with Field & Yates. Get a letter from Elliott by him. He thinks of returning home. Mr. Mumford, one of the Directors, is out by yesterday's steamer I suppose to hold the reins here. Down to office, into Stearns' office and down to Keiths. Work over Sci. Bill which I want to get finished. Over to Survey Rooms, see Whitney meet Ames, and go up to Stearns' office with him. Home to dine & spend the evening at Stearns' house.

TUESDAY 24

Morning. Down town with Caldwell. Into office as usual and find nothing. Down town with the Captain meet Whitney, Hubbard, and Ames. Into Keiths and spend all day working over Nightingales chest and writing to Baird, Walker and home. Into Nickersons, Rulofsen and Stearns' office and up with him to Academy Rooms and carpenters shop to look at cases &c. Evening. Up to Lunts and have our final blow out. Take Miss H. stay till 11. see her home and back till two. Davison and Glover are ordered off the Ex.

WEDNESDAY, APRIL 25, 1866.

Morning. The vilest of all vile weather, a driving sleet-mist, mixed with fog. Capt. Scammon talks of resigning his position, on account of annoyances and insulting curtailment of his prerogatives. Down town with him. Stop at the office. Speak to Wicker about a post on the Yukon, and am assured of it and of a chance to go to Ks. assistance if unfortunately needed. Down to Stearns', to Keiths & work over letters. Over to Survey Rooms stay a little while writing. Evening. Down town. Call at Dr. Appleson's then up to Mrs. Lunt. Some of our Nicaragua bird, have proved to be new.

THURSDAY 26 the hour

Morning. Down town, with Caldwell. Stop in at the office, and snub Foss about Jams. Down to the office, work over Nightingales chest. Write to Miss Cleveland and Mrs. Merriam. Get chest and Sci. equipment off. See Dr. Trask and King in the morning. Up to Academy Rooms things progressing finely. Up to Rulofsen, and to cap mains. Fire on Clementina Street. Evening up to the Consuls, see Mr. Koshkin and arrange to go over the vessels Sunday afternoon. Meet Olga going home, and call on Miss Ritchie.

FRIDAY 27,

Morning. Take papers to Col. from Capt. Scammon. Down to office, stop at Stearns', into Keiths, set all at work, down to gasman, have tube fitted and put up in Academy Rooms. Into Keiths again, Jams reports. Up to Stearns, meet Woodward who invites us out to his place tomorrow. Down to Acad rooms and lunch into see Bugbee, take strawberries with him. Into gas works & fitters, down to ship. Misses Plummer & other girls there, wild with champagne. Evening up town. Call at Mrs. Stebbins, see Bridge, and call on Mrs. Hapgood.

SATURDAY, APRIL 28, 1866.

Morning. Down town, stop at office, get Buttons, pants and step into Stearns for a little while. Feel sick and miserable from reaction of over-work and last night's medicine. Down to Keiths, set Jams and Forliss at work. Meet Mr. Bridge, about rice at eleven and show it through the microscope. Meet Stearns at twelve; go up to Academy Rooms which are progressing finely. Down town to lunch up to Survey Rooms afterwards to Payots. Go out to R. B. Woodards fine place at Mission Dolores. Spend the P.M. there with Stearns. Go over to see Mr. Jas. Soune and take dinner with him. Evening Call on the Consuls family.

SUNDAY 29.

Morning. Sleep till half past ten. Feel sick and miserable, which is of no great importance as I have almost finished the medical work. Dress and go down town, too late for church go to Mrs. Noyes and spend an hour or two. Up to Mrs. Lows to lunch. Meet Mrs. Hinckley there. Down to the Consuls, Mrs. Kochkin can't go because it rains. Stay awhile and up to Mrs. Lows to dinner. Mrs. Child is dead. Get some books for myself, and for the little girl in Donohues Block. Down to South Park again and spend the evening. The Consul now moves to Alameda.

MONDAY 30,

Morning. Set Caldwell at work on shells and go down town. Stop in at office. No news. Down to Steamer Golden Age to bid Miss Hapgood goodbye. Meet Mr. Brackett there; and send drawings home. Call on Pillsbury. Up to office, into see Stearns. Down to Keiths, see a Mr. Buhler, and give him a note to Col. Wicker. See Hepburn and name some of his shells for him. Back to Keiths, go over bills &c. Evening. Down town with Laboune, call on Miss Abbott, out to Mrs. Lewis (all out) Call on Miss Plummer.

TUESDAY, MAY 1, 1866.

Morning. Set Caldwell at work, painting the chest and other shells. Down town to office. Into Stearns' office and down to Hubbards. Pay my Academy dues which amount to eight dollars, which with what I have given previously makes quite a hole in my purse. Down to Keiths work over bills and get them all footed up. Somewhat less than \$1850.00. Finish summary, and report and leave it for the Colonel. Down to ship and in evening go out to the Mission and call on Mrs. Bridges, who thinks of going to New Zealand. Very cold and raw today.

WEDNESDAY 2

Morning. Clara Bell, went to sea, bound for Petropavlovsk. Went down town leaving Caldwell painting chest and cataloguing shells. Into office, in to see Stearns up into Academy Rooms, Hubbards, and Keiths. Finish bills and inventories of medical stores and hand them in to the office. Up to the Survey office and work over Monterey shells and Coopers letters. See Prof. Whitney who has some new fossils. Down to ship, getting coal and song books by the way. Evening up to the Plummers and take Miss Josie to Lunts where we have a rather dull evening.

THURSDAY 3

Morning. Down town early. Into office, see Wright about Sci. outfit. Down to Survey Rooms and work over Dr. Coopers paper on California Helices which I get Jams to copy and send off. Work over my own paper on Californian shells and get well along with that. Stearns comes in and we compare notes on certain shells. King in most of the day. The mysterious stranger who made an appointment at ten this A.M. didn't turn up. Steamer in, & letters. Evening call up to the South Park at No. 23.

FRIDAY, MAY 4, 1866.

Morning. Get ready medicine for Dwyer. Down town and into office. Sign receipt for Scientific outfit in full. Into Stearns' office and talk over matters and things about Academy matters &c. Down to Keiths, inquire as to progress &c and over to Survey Rooms. Work with James all day over Monterey paper. Stearns comes in during the day. Go up to Dr. Kelloggs, see Bloomer. See Keith again, Go to Bancrofts, Up to Cosmopolitan, dine with Clarence King, and go to his room in the Pioneer Building and pass the w.

SATURDAY 5.

Morning. Down town, stop at the office. See Lewis and get some paper from Wright. Stop at Lorgans and get some shells for the Doctor. Stop in to Bradley & Rulofsens and see Whymper. Up to Academy Rooms and look at cases which are now painted. Down to Hubbards and get pkge of books from the Smithsonian including Carpenters Reports. Down to Survey Rooms, work till two o'clock when I start down with Stearns, stop at Robisons and go over to see Dr. Newcomb who is called off very soon after we get there. Dine & pass evening at Stearns.

SUNDAY 6

Morning. Dress and go up town early. Ice Lane cutter laying along side. Col. Bulkeley and Mumford are to make the tour of the fleet today. Walk up to Mr. Lows, neither Henry Ames is yet returned. Down to Stebbins, to get introduction to Macondray. Meet Swain there. Round to church, Stebbins preaches on mans religious opinions as affected by his character. Up to Mrs Lows, take lunch. Drive out in the afternoon to the Mission. Back to dinner there. Mrs Lows all alone. Pass the evening there.

MONDAY, MAY 7, 1866.

Morning raw and disagreeable. Work with Fritts Caldwell, and James over shells; naming and packing a large number of them. After dinner dress and go up town to Court Room with John Norton who acts as a witness in the Winant-oyster case. Go to Payots. Kind Chem has arrived, but is not yet out of the Custom House. Round to Keiths, after Dr. Hacks eggs but they can't be found. See Day by who looks well and hearty. Round to Stearns office where we have a meeting of the California Academy of Natural Sciences.

TUESDAY 8

Morning. Down town with Fritts. Meet Mrs. de Ro very unexpectedly on Sutter Street. Stop at the office very unexpectedly for a moment. See Stearns go round to Academy Rooms for a minute, get out a set of the plant papers for Miss Ritchie. Old Fick comes buzzing about. Down to Survey Rooms see Dr. Horn, who comes back from Arizona with lots of beetles, &c. Write there all day. Talk over Carpenter with Prof. Whitney. Evening, go up to Mr. Heb bins and get a note to Macondray. Down to Mrs de Ro, Nettie there, Olga & Passie, all with colds.

WEDNESDAY 9

Morning. Down town with Fritts. Stop at office. Chappel got back from B. Columbia into Stearns office. Down to Mr. Macondrays and arrange about sending box to father. Into Hubbards get letters. Aunt Etta dead! of gastric fever. Look out for Canfields thermometer. See Bloomer, Kellogg & Lancy. Into Survey Rooms. Work all day at Monterey paper & letters. See Jack about Thermometer. Ashburner down. See Hepburn. Down to dine with Stearns. Down to ship and work over box.

THURSDAY, MAY 10, 1866.

Morning. Send Caldwell down town with letters. Lower the bookshelf in my room about two inches to admit my larger books. Put up some hooks &c. Down to office, see Stearns, into Keiths up to Dr Kellogg & Lanceys. In to Survey Rooms, Ashburner there. Work nearly all day correcting blunders in previous copies of Monterey shell papers. Up with Prof. Whitney to Academy Rooms, and round to printers, get proof &c. Into Keiths, and down to the vessel. Evening, walk up with Black, call at Doctor Ayres' and go round and call on Miss Josie.

FRIDAY 11

Morning. Work with James (who is a trial!) Fritz and Caldwell over packing up shells. Get nearly through and after lunch go up town to see about proofs. Go into Keiths, see Cremona, Steele and Rudolfsen are off for a tramp in the woods, for a week or two. Up to Dr. Kellogg, get stencil and present bill to Keith. Down to Stearns' office, after going round from Survey office to Towne and Bacon about proof, and looking at Miss Carmichael's poems. Dine at Stearns' and go up to Whitney's to see about proof with him. Stop at Payot, Keiths & appr. bill of out at Mrs Ritchies, & ship.

SATURDAY 12

Morning. Work with the boys till noon on the boxes of shells and get them finished about two o'clock. Go up town, stop for the Captain. Ride up to Dr. Kellogg, Cues the Conductor for carelessness. Step in and see Bloomer. Up to Survey Rooms see King and Gardner. Down to printing office, meet Bugbee and Bacon. Have hair cut and go up to Stearns. Dine there. Get a letter from Geo. C. Walker, & one to K. insinuating that my vanity makes me untrustworthy. on account of my horse railroad letter. Call at De Ros.

SUNDAY, MAY 13, 1866.

Mayor R. Kemmick
Died at Nulato R. R.

Morning. Dress and go up town with John Norton. Up to Stearns house. Write to Geo. C. Walker in reply to his note of Apr. 16. Out by the Sutter St. R. R. to the mission and walk out to Mr. Tiltons house where we go over the establishment grounds &c. Take some lunch, get a fine bouquet from Tiltons ad garden and come into town to Stearns' where I dine. Evening. Down to Occidental, find the Col. out of town. Up to Lows, Mr Ames & Low both back. Steamer not in. Down to Mrs Noyes and spend the evening. Find Mrs & Capt. Gibbs there from Arizona

MONDAY 14

Morning. Steamer and Dr. Fisher, in. Down town stop at office, at Occidental and see Col. Bulkeley who says somebody has been sent up to take Elliotts place and he thinks he will be down by thys. He says not to order boys to report to Dr. Fisher till further orders and authorizes and afterwards approves my instructions to the captains. See Macandray, Stearns, who gives me a fine pair of oliva porphyria. Down office, see Gabb, Horn, and Brown. Work and write. Round to printers. *Up to Occidental, down to ship. Evening go out to invite Miss Lewis to the foundry dance & meet the Colonel there. TUESDAY 15

Morning step into the office and down to Hubbard and Stearns. Get first issue of Chi. Acad. Sci. proceedings very neat. Go to Dr. Paines and have two teeth tinkered. After wards go up to Acad. rooms which look very neatly, now the painting is all done. Shall get books upon the shelves by next meeting. Up to Stearns to dinner, round to various places for flowers but can't get them. Down to ship, dress and go out to Mrs. Lewis' and take Miss Lewis with John and Miss Whitney to Hanscom-

WEDNESDAY, MAY 16, 1866.

Morning. Down town. Meet Mrs de Ro. Stop in at the office. See Dr. Fisher and turn over the medical Dept. to him in toto. See Stearns. Shall work tomorrow night on Academy books. Down to Survey Rooms. Collect proofs for the last time. Prof Whitney, Yabb and Akhurner gone. Dr. Horn, and Baron Richtoven in. At 1.30 go to Alameda to visit the Consuls family with the Baron. Return with a fearful cold. Dine with Bugbee. Go out to Mrs Bridges with Horn and get Nic. beetle

THURSDAY 17

Morning. Set Caldwell at work on small stores. Go up town with Capt. Scammon. Meet Jessie de Ro. See Col. Bulkley and get permission to draw paper and pay. See Wright, and Finlay at the office get paper. Up to see Stearns. Down to Survey Rooms write to Walker and Baird, and Sadie. Revise proof. Up to see Stearns again round to Rooms of Acad. Down to Survey Rooms. Caldwell comes down with box of collections. Up to dinner with Stearns. Evening up to Cal. Acad. Rooms with Whitney, Stearns Caldwell and Carpenter and work till ten o'clock.

FRIDAY 18

Morning. Down town with Caldwell. Into office draw pay. Go up and pay Paine. See Stearns and get note from Macondray. Make keys to lock Smith, see Hubbard. Go Survey Rooms, work over shells, see Towne & Bacon about new sheet of Cal. Acad. Proc. &c. Draw Pompholyx effusa on wood and take it round to Van Vlecke to be cut. Down to the ship and in the evening go with the Captain and Mrs Scammon to Mr. Vickers, the Prussian Consul and spend the evening looking at pictures.

SATURDAY, MAY 19, 1866.

Down town with Caldwell. Stop at office. See Stearns and conclude to finish up the Academy business if possible. Down to the rooms and go over the locks. Down to Academy Rooms; Lend the boys out on various errands, and start paper on Pompholyx effusa, Lea. Rush round frantically after locks and scout cheons for Academy cases. Up to the Rooms. Prof Whitney, Stearns and Hubbard in, get things into pretty good shape. Get Chemu, of Payot in the evening to Mr Lowe, where I spend the evening, call on Mrs de Ro. Back for night at Lowe.

SUNDAY 20

Up to an early breakfast. Letter from Nettie Wilde. Mr. Ames gone to Santa Cruz to stay all summer. His family are not coming out. Down to Church. Mr Stebbins preaching on a call of or to the ministry which he don't believe in. Back to Lowe to lunch stay all the afternoon and to dinner. After dinner go down to Capt. Mayes. Miss Hoyer is gone to Santa Cruz - Down to Park but being late, don't call & so down to the brief meet Capt Scammon & walk over

MONDAY 21

Down town. Go up to Academy Rooms and overlook Carpenter at his work. Prof Whitney comes in. See Stearns and go and buy chairs and spittoons. See Bacon about my paper on shells. Up to Academy Rooms and write and work all day. Finally get things into as good shape as possible, leave and go up to Stearns' to dinner. Down to meeting at 7.30 and have a full and good one. Present my paper on Pompholina a new sub family of mollusks.

TUESDAY, MAY 22, 1866.

Morning. Down town with Caldwell, stop at the office. See Wright about Spams and contracts. Over to Stearns office. Down to Academy Rooms write out receipts for books rec'd from foreign societies. Then go to Survey Rooms where I work nearly all day at Pompholyx paper Monterey shells, orders and directions for Captains V.C. Send Caldwell to Mrs Lewis' for fish bags which are not yet done. Down to ship carpenter not yet put up my shelf. Evening walk out with Caldwell and call on Mrs. Lewis.

WEDNESDAY 23

Morning. See the Captain about sheets and have covers made of canvas for them. Give orders about collecting to Wheeler, and Capt. Arthur.

Up town with Caldwell, stop at the office see Stearns, down to old Robisons and take measurements of a porpoise for Capt Scammon. Then over to Towne and Bacons about printing.

Up to market looking for new plams &c Meet Stearns and go to dinner with him. Up to Survey Rooms write all afternoon. Get letters, gloomy as usual. Evening walk up with Black, meet Mr. & Mrs. Low, call on Mrs de Ro.

THURSDAY 24

Morning. Down town with the Captain. Up to the office. Into see Stearns. See Laidlay, and Gove.

Down to Survey Rooms, buy \$14.00 in greenbacks. Work over Pompholyx paper. Take it into Towne and Bacons who agree to set it up in advance of the Academy's sheet. Bolander arrived from Marin Co. See Keith. Go home with Bolander and get some snails, *Nelix infumata* &c. Evening up town with Capt. & Mrs. Scammon. Call at Dr. Ayres' for a little while then up to Plummers & see only Marston.

FRIDAY, MAY 25, 1866.

Morning. Down town with Mrs. Scammon in a hack. The weather is a boisterous South East gale with pouring rain which makes the vessels, including the *Henry Pitts*, collier; which is alongside, dance & minnet and grind each other and the wharf, to the tune the old cow died of. Go into the office, see Wright about alcohol. See Stearns, Into Keiths. Down to Survey Rooms. Send Caldwell to Mrs. Lewis' after fish bags. Work all day at Survey Rooms on Monterey shells. King has got order for coat at last. Evening go up town and call on Stebbins.

SATURDAY 26

Morning fine and clear after the rain. Down town with Caldwell, stop into office see Wright, Stearns and then down to Survey Rooms where I find King.

Stop down to the clothing office of the U.S.A. with King. Select an overcoat pay \$14.50 in greenbacks for it and take it up to Geimans to be lined.

Then over to the Oakland boat and go to Dr. Newcombe, Read him the first part of my Monterey paper which he approves of. The good Doctor gives me a lot of shells mostly *Succineas*. Back to town, Down to ship and up to Mrs. Low.

SUNDAY 27.

where I spend the night. Mrs. Thornberg and little Minnie are there also. Get up early in the morning having got to bed early. Brown bread and beans for breakfast. Over to Alameda to call on the Consul. Rains like sixty over there, and get well showered between the cars & the house. Have a good time. Walk down to the water on the fence. Back by last boat. Up to Mrs. Low. Evening. Call at Mrs de Ros and then go up to Mrs Ritchie's. Call on the Col. and get his approval of auth. for Capt Scammon drawn up by me.

MONDAY, MAY 28, 1866.

Morning. Up town early, step into office, Wright not there. See Stearns, down to Hubbards, step into Sacks and see about Canfields hygrometer which has gone down. Meet Keith who speaks of alcohol and bicr. of potash. Send James down to vessel. Go to Towne and Bacons get proof and correct it. Down to ship have the cases marked Nitric Acid, Up town again after lunch. Work all the P.M. on Monterey paper. Go up to dinner at Stearns. Get my orders as I expected and spend the evening writing at the office till 11.30. Call at Occidental. Col out & down to ship.

TUESDAY 29

Send Caldwell down to Mrs Lewis' for bags, set him to painting boxes and packing Wrights outfit. Up town. Call at Occidental. Col. away. Step into office, see Stearns. Down to Towne and Bacons with proof. Write with boys on letters, as we shall soon be off. See Whynper and go down to Cooks seeing Moody by the way. Get ink at Chy Lungs and go down to work again. Hand in final proof. Down to ship calling for the Col. Evening. Call on Miss Coates, and Mr. Taylor, and go down to Whitneys office where I write letters till 11.

WEDNESDAY 30

Morning up town with Capt Scammon. More trouble with the firm of W. - Sheenanigan & W. - Into office. Write request for barometers and compass take to Occidental. Col. says he will see about it hereafter. See Stearns. Down to Survey Rooms and write all day on the Monterey shells finally finishing the list. Up to Wrights room. He is better and informs me that I am promoted to a first Lieutenancy. Evening. Up to Mrs Lows and read our Mutual Friends. Stay all night there.

THURSDAY, MAY 31, 1866.

Morning, up early. Ride down after breakfast with Mr. Low to the toll gate. Deliver Sci. outfit to the Wright and go up town. Meet Stebbins by the way. Into office; into Stearns office, down to Macondrays, thence to the Brig Ida Rogers, Capt Norton then back to Macondrays. Towne & Bacons, pay printers bill, down to Survey Rooms, and work all day on Monterey paper. Up to Geimans, round to Stearns, go to dinner with him. After dinner call on Capt Norton who has nothing but *Cypraea tigris* on hand. Evening get some shells, call on Lorquin, and work till two on shells.

FRIDAY, JUNE 1

Morning. Up early and down town. Step into the office for a moment, Wright there looking sick. See Stearns for a moment. Down to Towne and Bacons. Up to Hicks with a book to be bound. Down to Survey Rooms and work there all day over shell paper which is drawing to a close. Up to the office, walk part day with Lewis and Fletcher. Down to ship for dinner. Evening. Down town call at tailors about coat. Step into Keiths and see State about Evans. Dayley comes in. Work till eleven on shells with Knittges -

SATURDAY 2

Morning. Stay at the vessel till I get the paint for my boxes, and start Bob Caldwell on the work. When I see him fairly started, go up town, see him fairly started, and go up town. Call at the office, and on Stearns a moment. Into the bindery with Lowersays Manuel. Back to the Survey Rooms with James and work over the shells for Capt. Over with Stearns at two to see Dr Newcomb and back at 5.25. Dine at Stearns and pass the evening there. Down to ship early.

SUNDAY, JUNE 3, 1866.

Morning. Up town early. Call at Mrs. de Ros and find that Olga is in town. Down to the Occidental. Read the papers, down to the Survey Rooms. Thence to the Paul Poy, the Alameda being disabled. Go to the Consule and spend the day. Anassof is there and says we go to New Westminster. Krichpak, Anadyr and Petropavlovsk. Have a pleasant time. Jessie & Leannie there. Back at 5⁰⁰ with Anassof and Dr Behr. Up to Mrs. Lows. Mr. Low, quite unwell. Down to Mrs. de Ros. See Olga, Charlotte, Hettie, and a Mr. Binney. Dancing on the wharf in evening.

MONDAY 4

Morning. Get away from the vessel early. Down to office. Col. sends for me in regard to mosses which I give Bolander. Get a permit from Col. Wick-er to obtain shot and a gun. Col. agrees to my having the barometers. Wright very sick with typhoid fever. Down to Survey Rooms, Gabb and Hoffman back. Move things into No. 94 for the present. Correct proof sheets of Monterey shells with Fritz and James. Down to Lerane and order gun, shot &c. Up to Stearns to dinner. Down to Survey Rooms & to Acad. meeting in evening. Very interesting. Home with Behr.

TUESDAY 5

Morning. Get Bob to painting boxes. Down town with him. Up to Mr. Low, who is better. In to office. Wright better. In to see Stearns and down to Survey Rooms. Work all day over shells Caldwell helping. Afternoon. Go to Cosmopolitan and join a select dinner party of six in a private saloon, with Prof. Whitney, Gabb, King, Gardner & Hoffman. King goes away early tomorrow. Up to Survey office and write after dinner. Call on Mrs. Brackett.

WEDNESDAY, JUNE 6, 1866.

Palmetto sailed. Petrop. 9 AM.

Morning. Down town early. Leave books and bottles at Survey Rooms. Up to Stearns and to the office. Get a barometer and go down to Lagard & Jones and get a half dozen shirts. Down to Survey Rooms and work packing up and getting ready to start. Write register, evened. Down to L. Mrs. + socks thirso, & Pack everything away. Get nearly through. Work over shells of Gabb collecting. Pack & send Carpenters box (no. 14). Evening. Call at Mrs. de Ros, find Father, Scott, Olga Jessie and Lottie there. Some row among them.

THURSDAY 7

Morning. Set Bob to painting the chests brown give plan of flag to Agness. Get bundle and trudge up town, leaving painter at work in my room. Go to Mrs. Taylors. Send Bob to Mrs. Formers with socks. Down to Stearns. Leave cards with him. Up to office. Get barometers. Down to Survey Rooms. Do up pamphlets papers &c write letter to Carpenter and send circulars to a number of others. Work over barometers with Gardner. Down to Stearns office, up to dinner with him and spend the evening giving him notes for check. Rutgers sailed Sound & Pl. B.

FRIDAY 8

List of W. C. Shells.

Morning. speak to Capt. about lock on Armo-ry door. Down town. Stop at office, in to see Stearns. Down to Survey Rooms. Write all day. Send many letters & papers, see list. Up to Town and Bacons, go round to Hubbards, lunch at Hoases with Bacon. Rains. Up to office. See Col. who says I can have compass and ther-mometers. Don't write at Survey Rooms. Up to C. L. Lows. to dinner. Do up M.S. for last. Evening go to Post Office. Acad Rooms & write.

SATURDAY, JUNE 9, 1866.

Morning. Go aboard the Onward and see the sick sailors. Down town, stop at office for a few ~~days~~ minutes. In to see Stearns. Uncle Jim Laidlay in. Down to Academy Rooms and Survey Rooms. See Frittgas and Gambs there. Set Frittgas at liberty, pack up remainder of shells. In to lunch with Stearns & meet Bartlett and Warren. Up to Payot, order J. Gwyn Jeffreys new book, Pfeiffer new supplements and Agassiz' Nomenclator, bound heavily. Over to Dr. Newcomb and spend the afternoon. Back by late boat - stop at Survey Rooms and call on Low but all out -

SUNDAY 10

Morning. Dress and go over to Alameda. Paul Pry late, stop at Encinal and with Compt Anasof go to the Bonnets. Anasof promises to leave orders with the Spranik of Kamchatka, to assist me in every way possible. Asks in return for the notes of the Sci. Corps! which he will get!! Olga Charlotte, Jenny, a Mr. Diesenhann ^{with their} ~~there~~ Back at 5:15. Go up town, meet Mr. & Mrs. Low and wife Edith King. Up to the ropes then down to church, with Mr & Mrs Low, Mr. Macondray, Mr. Merrill & ladies, round to Mr Stebbins and stay awhile, then up to Mrs Lows and spend the night.

MONDAY 11.

Morning, breakfast and go down to ship. Let Bob to work, down to the office. Gambs there, and says that Dr. Fisher ordered him to report to Evans. See Wicker about it. Go up and see the Col. get the thermometer and compass and order for Gambs to return. See him, Lewis, get instruments. Down to Survey Rooms. Meet Mrs Low, and accept her invitation to meet Miss King at her house this evening. Find the Governor there and spend the evening stay all night.

TUESDAY, JUNE 12, 1866.

Morning. Breakfast and then down to the ship leave written instructions for Caldwell to work over packing Sci. stores for the voyage. Down to the office for a few minutes into Harbor Commissioners Rooms, Laidlay there Stearns & Milton gone to Ballenas. Down to Survey Rooms, draw up description of *Helix chersinella*, for which Gabb makes me a drawing. Take it round to Keiths with it. Evening out to Mrs. Bridges down to ship, call on Capt. Rogers and find Miss Lizzie out. Call on the Lewises -

WEDNESDAY 13

Morning, wait at the ship till ten o'clock. Mrs Low and Miss King come down. We show them over the vessel. After inspecting it, ride over with them by the Mission and down town to the Occidental. Then to see Dayley, arrange to go out to Mrs. Bridges tomorrow to dine. Down to Survey Rooms, bid the Professor and Gardner goodbye. Get telegram from Baird that the Chi. Acad. Sci. is burnt out. My books & collections are probably gone up the spout, with it. Get book from Youne & Balans. Evening, call on Mrs. de Ro, Peter & father there and Olga. Peter is a little softy.

THURSDAY 14

Morning, send Bob down with shot to exchange. Down town early with pants which I leave at Nagars. Call in at office, into see Laidlay for a moment. Into Hubbard, no letters. Into Hicks and get book. Down to Survey Rooms, meet Caldwell, send boxes &c down to the ship, work writing letters and talking with Gabb till five o'clock. Then down to Dayleys office, meet him and ride out to tenth street and make a farewell call on Mrs. Bridges. Dine and play whist till 11 & return.

FRIDAY, JUNE 15, 1866.

Morning. Down town early; into office for a moment. Into see Stearns. Only an hour and a half at Ballenas but with fair success. The commissioners made him a present of \$150.00 just before he left, to pay expenses. Down to Survey Rooms where I write letters most of the day. Up to Stearns office in the afternoon. Down to ship dress and passing the tailors get my pants and change them. Go up to Mr. Macondray's where I dine and spend the evening. Have some pleasant singing & music.

SATURDAY 16

Morning. Down town. Stop at office and to see Stearns. Down to Survey Rooms and write letters till one. Down to Merchants Exchange and meet Gove. Down in his buggy to Fort Point with him. Look over the Fort and at some 20 inch Dahlgrens just arrived. Down to the rocky beach and get well wet with the surf spray. Come back to town dine at Stearns' and look over shells with him. Walk down town. Go and call on Miss Plummer, see Capt Marston and in the evening up to Mrs Lows and stay there all night.

SUNDAY 17

Morning walk down to church, with Edith King, and sit in the Norriseses pew. Mr & Mrs. Loe not making their appearance, walk home with her. Stay at Mrs Lows to lunch and in the afternoon go down to Capt. Noyes and stay to dinner. Go down to Wrights room and see him. Whympers and Field. Wright is better though very weak. Talk with Whympers about spending the winter. Evening to church with Mr Low and call on Mrs. Noyes.

MONDAY, JUNE 18, 1866.

after breakfast and reading the last Eastern papers go down town with Edith. War seems imminent in Europe and the clearest headed men look pale at the prospect of a panic even here. Dickson, de Wolf, Macondray & Co & other old firms are reported to be in a weak condition. See Whympers. Stop at office; Chappell as grumpy as ever. See Stearns, and go down to Survey Rooms and write all day. Col. Jewett is in town. Dine with Stearns and in evening go down to Academy meeting, and propose resolutions of sympathy for Chi. Acad. Sci. Meeting.

TUESDAY 19

Morning after breakfast over in boat with James to the foot of third street. Onward goes tomorrow A.M. Up town call at office. into Stearns office. send down packages to the ship. See Dayley at Harbor Commissioners Office. Down to Survey Rooms. Receive and answer Coopers rather discontented effusion. Up to Stearns, and show it to him. Back and write a copy. Evening make a ballot box for the Academy. Go up to Mrs de Ros find the girls away. Go up to Mrs Lows, spend the evening down to ship.

WEDNESDAY 20.

Morning. Have Sci. stores moved out of port brig. Go to Pillsburys and get hasps & padlock. In to see Stearns and down to lunch with him. Meet Col. Jewett and go round to the Cosmopolitan with him. Down to Survey Rooms, send two barometers down to the ship and take one to office. Sacks for repairs. Down to Survey Rooms write and up to see Stearns who goes to Ballenas tomorrow. Evening to Onward, up town. Talk with the Captain. Sands left, call on Mrs de Ros, up to see Col.

onward sailed. THURSDAY, JUNE 21, 1866.

Morning. Send Caldwell down town with telegram. Down town early. See Anasof and set time for meeting. Down to office, in Harbor Commissioners Office, take down notifications and copy. Into Keiths, down to Survey Rooms. Write to Prof. Whitney, copy for Mining Press and take it to their office. Down to North Point and go aboard the Shubrick. Stay all the afternoon and to dinner. Ashore with Davison, look up sword and meet Anasof. Stop till eight at Mrs. de Roe go to concert which is a bill, go back and pass the evening.

FRIDAY 22

Morning. Down town on a butchers cart with Caldwell. Go to office for a minute, up into Harbor Comm. Rooms, read paper and down to Survey Rooms. Work over Coopers list set. Caldwell copying and write orders for Elliott. Up to see the Colonel get orders signed and back to Survey Rooms. Work till proof comes in from Press Office, correct it and then down to ship. Mr. Walker discharged. He has not found it healthy, bucking against the Sci. Corps. Ev. down town with the Captain, call on the Raymond.

SATURDAY 23

Morning. Down town. Every body at the office very busy fitting out the Wright for her departure. Down to Survey Rooms write to Miss Merriam. At Noon over to Oakland and call on Dr. Newcomb. Pass the afternoon there and take dinner there. Over to town and down to the wharf just in time to see the Wright off for Peloponnesus. Up to Mrs. Lows and spend the night there. Don't see Miss King -

SUNDAY, JUNE 24, 1866.

after a sound nights sleep come down to breakfast in the morning. Over to Alameda by the eleven o'clock boat. See Olga & Junnie taking over letters from Lottie. Find Purnier Bugher there. Dine and pass the afternoon and back at five. Leave letter and grass at Miss Ritchie and letter with Juice. Meet Major Williamson and General Simpson at Mrs. Ritches. In on side o'rat. Up to Mrs. Lows and spend the evening & night.

MONDAY 25

Morning down to the wharf after breakfast. Things as usual. Up town into office see Scott into see Stearns down to lunch with him. Up to Survey Rooms which are closed. Round town looking for a swordbelt. Up to see Scott and finally (buy a belt for 2.50) get some money. Down to ship after dinner call on the Captain. Walk up town with him and Glover & Norton. Call at Norcrosses' look at sword, then on Miss Lewis, meet Chappel & go to Judge Thompson with the girls and

TUESDAY 26

back again. Morning. See Capt. Scammon about medicines. Dress my feet and hobble up town call at office. See Stearns. Go about town in search of gloves and drawers which last cost me 5.50 a pair. Out to Captain Hayts in the Mission. Copy Croquet signs and stay to dinner. Bid them goodbye and call on Edith King at Mrs. Norris' on my way down to the ship -

WEDNESDAY, JUNE 27, 1866.

Morning. Down town. Get knife at Prices, look up hkdjs and get a half dozen. Down to office see Stearns. Down to Survey Rooms spend a good part of the day writing letters. Evening up town, get sword at Horcross and go up to Mrs Lowe and spend the night.

THURSDAY 28

Morning. After breakfast set to work and write letters most of the morning. Down to office find a letter from Cooper containing some shells. See Stearns and down to dinner with him. Down to Survey Rooms and work a little while. Then down town buy a pair of shoes and down to dinner aboard. Evening, up town, call on Mrs de Ro, play whist and down to ship.

FRIDAY 29

Morning. Down town late. Wilder alongside & preparations making for hoisting her aboard. Into office, see Stearns, and down to Hubbard. See shells from Cape St. Lucas. Down to Survey Rooms. up again, see Hubbard & Stearns and up to Arguing to find Col. Jewett. Walk around town with him and then down to ship. Evening up town with Bourne Ashcom Black. Call on Miss Lewis find Chappell there. Call on Mrs Norris & see Fillmore.

SATURDAY, JUNE 30, 1866.

Morning. Dress and down town. Call at the office, and on, Stearns. Over to Oakland after lunch with Stearns. See Dr. Newcomb and Col. Jewett. Look over shells & get Photo of Col. Go over with Voy and look at his fossils. Into town with Stearns and go up to his house to dinner. After dinner read and dose and finally go down to Mr. Lowe and stay all night. Mr. Low feeling unwell.

SUNDAY, JULY 1

Morning down early. Mr. Low not well. But he came down to breakfast. Down to Occidental Munford away. Down to Church Mr. Stebbins preaches on forgiveness. Very dull but good singing. After church have hair cut. Down to Occidental Munford at 11. After noon write to Munford and to Mrs. Remick. Evening. Go down to Mrs de Roe, see Dr. and Ch., then down to the ship. Mr Low better. They have got the Wilder on deck. See Dr. Ayres at noon.

MONDAY 2

Morning. Down town and see Dr. Ayres. get books and ride down to Acad. Rooms with him. Up to see Stearns and leave note for Munford. Down to Survey Rooms see Col. Jewett, write, and up to Stearns office. Go up town with him to dinner. Down to Academy meeting which is large and interesting. Dr. Hillebrand there. He saw my father in Calcutta. Go and get a cup of coffee with Behr. Hillebrand &c after meeting.

TUESDAY, JULY 3, 1866.

Morning. Watch the transportation of the little steamer Wilder on deck of the Nightingale.

Down town with Caldwell. Stop at the Occidental, no telegram from Baird yet about five.

Find Caldwell to see about skates and foils. See Price about skates. Into office, letter from Elliott. See Stearns, down to Survey Rooms, see Col. Jewett and Dr. Newcomb. Lunch with them. Stearns. Up to Acad. Rooms. Write all the P. M. See Stearns and write notes to S. J. Jr. Down to ship and in evening call on the Plummers. See Marston.

WEDNESDAY 4

Up town with the Captain at 8 a.m. No one at the office. Wait till half past nine and go round to the Occidental, where all the U.S. army, Navy and Revenue officers were congregated. Finally, take a carriage and ride in the procession from Hilbert to fifth on Howard and up to Metropolitan Theatre where we have an eloquent oration from Dr. A. L. Stone. Then up to Mr. Lowe to dinner, and afterward down to Mrs de Ros.

Walk with Charles, Olga, Father & Lottie, to 7th st. Call on Mrs King, and on Mr. Taylor on way back.

THURSDAY 5.

Morning. Let Caldwell at work indexing the Mazatlan shells. Down town. Into office see Chappell and Wright. Into Stearns office and down to lunch with him and Tommy Newcomb.

Round to see Hubbard and arrange about letters. Down to Survey Rooms see Dr. Nillebrand and up to Academy Rooms. Write abstract for Mining Press.

Up to Stearns office, down to ship stopping for books at Dr. Ayres' by the way. Evening down town and get Bulkley's minus order about much search.

FRIDAY, JULY 6, 1866.

Morning. Move shelf in my room and put up books &c. Down town. Into see Chappell and present order which brings him round. Into Stearns and down to Hubbards where I find letters from home & Baird. Down to Survey Rooms and read them. Write home in answer to mother's grumblings. Down to Liddles & get foils for Coale in Petropavlovsk. Up to Chappell who puts me off till tomorrow. Down to dinner at Mr. Lowe and meet Mrs Thornburgh and Minnie. Evening. Call on Stebbins & see Pierce.

SATURDAY 7

Down to office early. Get \$189.00 advance from Chappell. Pay Stearns on a/c 10.00 Pay Capt Seannum &c. Go round making purchases. See Prof. Whitney. Lunch with Jewett and Stearns. Down aboard. Caldwell detached through Fishers machinations.

Order him to report. Dine aboard. Evening make purchases, call at Mrs Lewises and on Mrs Low where I take a bath and spend the night.

SUNDAY 8

After breakfast, write. To church with Mr. and Mrs. Low. Find a protest to Col. Wicker. Lunch at Mrs Lowe. Afternoon. Down to ship with Mr Low. Libbey is to be my room mate. After fixing up my rooms for a new inmate, go up town. Call on Coates and Denison, bid Van Tassel goodbye. Call on Capt. Noyes, bid all goodbye. Dine at Mr. Lowe. Evening. Call on de Ros, Norris' Masters, Stearns, and back to bed at Mrs Lowe.

MONDAY, JULY 9, 1866.

Morning; down to office, orders to report on board at 4 P.M. Get books at Choynskis. Into Stearns' office down town, get books at Bancrofts, see Prof. Whitney, buy greenbacks, into Stearns'; down and bid the girls goodbye. Up town, get lunch, upon to Kearny Street at some lace collars. Down to office. Meet Wright and get a raking from Wicker on account of protest. bid Harbor Commissioners goodbye. Stop at Dunsons, get Coates's letter and down aboard. Haul out into the stream at 6.15.

S. Gate sailed -

TUESDAY 10

Everything disorganized and demoralized, as usual at the start. Lay all day in Mission Cove at anchor. In the morning set books and things to rights, nail up leathers for tools and writing materials. Afternoon, Mr. Davison from the Shubrick with a corporal and a file of marines comes aboard to look after deserters from the army but find none. Some question raised at the Custom House about clearance, and in the doubt, Captain S. decides to clear, which detains us till tomorrow noon. Everybody pretty mellow.

WEDNESDAY 11

Still at anchor. Day one of the finest of the year. Stirring news from Europe and Cuba. War seems very where on the rampage. About noon tug Lookout comes along side. Anchor away and leave berth at 1.30. Drop the tug about 3 P.M. and make sail under a stiff breeze S.W. by S. Glover comes aboard from the Shubrick and goes out to the head with us. A good many sea sick men but feel pretty well myself.

down and get some more...

THURSDAY, JULY 12, 1866.

Weather rough, overcast all day, wind cold W by N. Course mostly W.S.W. Feel mean all day, lay low and read a little. Everything as might be expected wet, dirty and nasty. Landmen lying round like so many pigs many of them sick, all of them uncomfortable. Kelsey and Libbey placed in general charge of ship doing well average six knots. Sea of a very dark blue.

FRIDAY 13

Morning. Rough and all day is ditto to yesterday. Read the True History of a little Ragamuffin by John Greenwood and find it very stupid, but little interesting in the story, no strong connection in the plot, details diffuse but poorly worked out. Course W by S. We are as far west as when a week out last year, and as far north as when eleven days out. Turn in early; dreaming all night of Medford and old times.

6

SATURDAY 14

Morning, calmer. All hands in consequence felt better, and a grand rush to the breakfast table. Get trawl net bent, and nearly rigged for fishing. Try it off the stern for a few minutes and get the Hyalea, Cerab, Vellea, floating pumice with Bryozoans &c of last year. The cold northerly winds have driven these animals to the southward which accounts for their scarcity. Play whist and check till ten o'clock with Alley, Smith, & Jerry N.

SUNDAY, JULY 15, 1866.

Morning misty, with patches of sunshine. Hugh Le Gare died of delirium tremens last night at a quarter to twelve. All hands in full dress uniform at ten; at half past, assemble around the body, sewed up in canvass with 144 lbs of shot and covered with the American flag. Finlay read the Burial service at sea and he was launched into the sea in lat 33. lon. 136.26 or thereabouts. Course due West, true. Wind light. Muster at eleven. Orders issued for the government of the men on board both land & marine. Evening read Elabbes Mind in Nature.

MONDAY 16

Morning, fine, sunny and calm, such days would make a nation lotus eaters. Trawl over the stern, but few captures in comparison with last years. Obtain a Heteropod, probably an Oxygyrus and getting him under the microscope work for two hours with a degree of success, at the anatomy and form. Get two more in the P.M. also two living Pneumodermons, which last I make a sketch of and put in water over night. Evening have singing & dancing on deck. Kelsey dances a jig. Goober surges Dr. Docteur Isambart, have a breakdown &c. &c.

TUESDAY 17

Morning. Get drawing materials together and make colored sketches of the Pneumodermon and Oxygyrus with great care, which take me nearly all day. In the afternoon Capt Kelsey hauls up a little Onychoteuthis in the net, dead but perfect. This is a very interesting addition to the collection. Evening, write up notes &c. We are more than a thousand miles from France by our track and about seven or eight hundred in an air line.

WEDNESDAY, JULY 18, 1866.

Morning. Orders issued assigning every one to his place at meals and at the wardroom table. Work over Kelsey's little squid which is either an Onychoteuthis or an Onychoteuthis or something new. It is probably a new species anyhow. Finish the drawing with great care. It is one of the best I have made in regards exact accuracy.

Look over the chart with the captain. Course N.W. by W. $\frac{1}{2}$ W. We are about 1000 miles from San Francisco in a direct line. Evening, boxing on deck &c. Open Catalogue & write up notes.

THURSDAY 19

Cloudy. Sea smooth, with a seven knot wind. Schuyler my assistant busy with the index of the Magatlan shells, and myself with the index for my volume of pamphlets. These keep us steadily at work all day. Catch a large number of Salpae in the trawl but nothing else. Evening read Les Maillepre' de Maillepre', a sensation novel of the silliest kind but a relief after hard dull work all day. We go straight to Plover Bay, and from thence to the Yonk on.

FRIDAY 20

Morning. Calm misty and hot. The ship, for a half hour in the morning stood perfectly still in the glassy water without a ripple on its surface except those made by swarms of tiny Hyaleas like bees swimming just at or below the surface. We captured four enormous Salpae ten inches long who took advantage of the momentary calm to rise to the surface. Make a colored sketch of one and write on index all day. Evening, dancing on deck

SATURDAY, JULY 21, 1866.

Morning. Black quite sick. Get a new salp quite soft-bodied and spend some time in making a sketch of him under the microscope. The muscular and circulatory system are beautifully evident. Make a drawing of the large Salpa obtained yesterday. Read the wandering Jew for the first time and find little satisfaction in its prurient-delirium of plot and mad unreality.

SUNDAY 22

Morning get a fine though small Carinaria in the net and also a new Pteropod which I find no genus for in the books. It is like Cleodora but without shell and very large. Wright objects to my wearing a sword. Talk it over with the Captain and conclude to let it go till I see the Colonel at Plover Bay. Feel unwell, take some medicine. Our gut is extremely vile worse by far than last year. P.M. Sketch the soft salp in colors.

MONDAY 23

Morning cloudy, quiet course N by E. Nothing in the net in particular. Black better. Feel sick and miserable from medicine. P.M. Make a colored drawing of my new Pteropods. In the morning get bottles out of Starboard Box with Schuyler's help. P.M. Finish San Merci by author of Guy Livingstone whose style is very pedantic to say the least and the novel not over good.

TUESDAY, JULY 24, 1866.

Wind high vessel rolling so heavily that the only chance for any comfort is in keeping low in the bunk and reading. Get Armadale by Collins & return Sans Merci, the author of which evidently is an imitator of Kingsley but with a pedantic flavor which is entirely foreign to that the writer. The old ship makes a good water. They pump her out even

Second Black. Silas a Lafam murder uncal Ryder I must to mor

Morning all day. Mas Uncle Novel the st

as Warr less of originality. P.M. Wind rising again. Nail up straps for clothes to prevent their wearing out by chafing with the motion of this

AY 25

Yesterday. Sit with again. Read the sensation novel by very well managed. A critical old opinion heard of disease. is of shoulder straps and my old ones

DAY 26

ing somewhat. Tacking down a good deal. Carinaria. Finish turn it. Finish My Bulwer seems to affect & Thackeray very much Dickens but with even P.M. Wind rising again. Nail up straps for clothes to prevent their wearing out by chafing with the motion of this

Recy. hull 4. 1866-
Quest from Sil-Sai. Art

SATURDAY, JULY 21, 1866.

Morning. Black quite sick. Get a new salp quite soft-bodied and spend some time in making a sketch of him under the microscope. The muscular and circulatory systems are beautifully evident. Make a drawing of the large Salpa obtained yesterday. Read the wandering Jew for the first time and find little satisfaction in its prurient-delirium of plot and mad unreality.

SUNDAY 22

Morning, get a fine though small Carinaria in the net and also a new Pteropod which I find no genus for in the books. It is like Cleodora but without shell and very large. Wright objects to my wearing a sword. Talk it over with the Captain and conclude to let it go till I see the Colonel at Clover Bay. Get unwell, take some medicine. Our gut is extremely vile worse by far than last year. P. M. Sketch the soft salp in colors.

MONDAY 23

Morning cloudy, quiet course N by E. Nothing in the net in particular. Black better. Feel sick and miserable from medicine. P. M. Make a colored drawing of my new Pteropods. In the morning get bottles out of Starboard Brix with Schuyler's help. P. M. Finish San Merci by author of Gay Livingtons whose style is very pedantic to say the least and the novel not over good.

TUESDAY, JULY 24, 1866.

Wind high vessel rolling so heavily that the only chance for any comfort is in keeping low in the bunk and reading. Get Armadale by Collins & return Sans Merci, the author of which evidently is an imitator of Kingsley but with a pedantic flavor which is entirely foreign to that healthy English writer. The old ship makes a great deal of water. They pump her out every two hours.

WEDNESDAY 25

Second edition of yesterday. Sit with Black who is worse again. Read Uncle Silas a very fair sensation novel by Le Fanu. It has a very well managed murder and a hypocritical old opium-eater with an unhealed disease. Ryder wants a pair of shoulder straps. I must try and find my old ones tomorrow.

THURSDAY 26

Morning. Sea declining somewhat. Tacking all day. Wind gone down a good deal. Make drawing of Carinaria. Finish Uncle Silas and return it. Finish my Novel by Bulwer. Bulwer seems to affect the style of Sterne and Thackeray very much as Wilkie Collins does Dickens but with even less of originality. P. M. Wind rising again. Nail up straps for clothes to prevent their wearing out by chafing with the motion of the ship.

Ray. Inst. Gt. Brit
Quart Journ Lil-Sci. Arts

Zool. Ill.

1st Ser. 1820-23 3 vols

2nd " 1829-33 " "

FRIDAY, JULY 27, 1866.

Morning. Wind and weather somewhat moderated. I spend the greater part of the day in looking over trunk, draws, and bunk, sorting and arranging letters, Schuyler writing fill up letter book and so forth. Wind changes for the better a little.

Wright is meditating mischief, I think as he has been unusually friendly. I hope he may not be able to interfere with my plans for the winter. It is watch and pray, on board this craft all the time.

SATURDAY 28

Morning. Wind a little better and our course is nearly due west. Still too rough to do any trawling. In morning write up and finish index to book of Pamphlets. Schuyler writing on index. P.M. Put soldering irons in order for use. Look over boxes fore and aft and finally find straps for Ryder. Catalogue label and pack collections made up to this time except the large Salpae. Call on Captain Scammon in the P.M. 750 miles from Umimak.

SUNDAY 29

Morning. Nearly on our course. Morning muster as usual, wind raw and disagreeable. Spend nearly all day in writing Report for Kennicott of 16 pages, copy it and after dinner go on deck and throw over the net and catch a lot of soft Salpae and one large jelly fish. See a number of the latter which are surrounded by a grey fringe, like *Ligydaetula agassiz*. Does the old doctor desire to remain at Petropaulski and therefore object to my being there? Is this what's in the wind?

MONDAY, JULY 30, 1866.

Morning. Wind better fair but not much of it. Go on our course with studding sails set. Get nothing in the net. Spend most of the day arranging and copying letter papers for Report to Kennicott. Get nearly through. After dinner have two quadrilles, a Virginia reel, and a polka; to Klinefelters violin, Ryder guitar, Engineers banjo and accordion and Schuylers castanets. Have some very good exercise and fun. Evening, have a long conversation with the Captain on general topics.

TUESDAY 31

On our course as yesterday in dampness and quiet. Vessel rolling rapidly. Write to Ellen Wilde and father, do up Kennicotts papers, Commence reading Tom Burke of "Curs". Dine by invitation of Wright in the cabin with Capt. Scammon wife, child, Chappel and Wright.

WEDNESDAY, AUGUST 1

Morning. Write letter to Miss Merriam. Turn in and read. Day disagreeable, calm rolling rainy. foggy.

THURSDAY, AUGUST 2, 1866.

Duffday, catch a new Pteropod, aelio, and spend the day making drawings etc of it. Dancing in the evening and rain, Very calm and still all day.

FRIDAY 3.

Morning, close and foggy. We are within a few miles of land but cannot make it out and dare not go ahead for fear of accidents. Toward evening, having been reading Levens novel of Barrington and working over Reiger Catalogue index all day, start to rig up fishline for Schuyler. Come to an anchor in 4 B fms after sounding 60 and 57. All hands fishing and catching codfish of the same kind as those last year. Black brings me in alive a pretty little seabird of a genus unknown to me

SATURDAY 4

Morning, am waked up early by Ashcom and go on deck, get hold of a sculpin some one caught and some curious things from the inside of the cod. About 8 o'clock pass through the fog raising and sun coming out just long enough while the islands except Ougamak were wrapped in fog only the shore lines being visible. Fog falls again. Skin Black's bird, & get some more soundings. Evening perfect & calm. Sing & write up log. Now in Behring Sea.

SUNDAY, AUGUST 5, 1866.

Morning. Calm and foggy. Get some curious crabs a Limacina, some sand shrimps and jelly fish in the net. Whales very plenty one fellow sailing round and round the vessel spouting and diving. Muster as usual at half past ten. A great deal of kelp floating past. Afternoon make tracing of Starrs map of N. Pacific and color one of them. After dinner promenade the deck till late in the evening. Pass finally through the Orinimak Pass by night

MONDAY 6

Morning, making seven knots for a little while. Dull and cloudy. Spend all day reinforcing and mending two pair heavy drawers. Evening Dance on deck two cotillions, color maps of Behring Sea & N. Pacific.

TUESDAY 7

Still sailing quietly along as before. After breakfast work on maps and finish them. After lunch write on index to Carpenters Magablan shells. Walk on deck getting ready for port. Ask for 50 fms 2 in rope for dredging and a lead line. Trouble brewing between O.D. and C. Spend a good part of the evening in the cabin. Evening rainy and wet. We are about four hundred and fifty miles from Plover Bay and could easily reach it with a smart breeze in two days.

WEDNESDAY, AUGUST 8, 1866.

Morning, weather still quiet. Write in the index of Magellan Catalogue, revise Schuyler M.S.S. and give the better part of the P.M. to packing up various loose traps which have been lying round loose for some time. In the afternoon the clouds clear away, and an eight knot breeze springs up, greatly to the delight of every body. Look over some of the outfit and find it in good order.

THURSDAY 9

Duff day. Morning, breeze died away again and our fond hopes are dashed. Work all day with Schuyler, forward, arranging the boxes in the amidships room, getting out outfit for collecting &c. Get a 22 fathom leadline and fifty fathoms of two inch rope from the ship. Put up the dredge with Scott's help for use. Pack up collections so far. Make ready for collecting when we arrive at Plover Bay which may now be in the course of a day or two.

FRIDAY 10

Morning. Finish working amidships, get out shot &c. Fix shot pouch. Look over the measurements of the porpoise from San Francisco Bay. Put up and catalogue some specimens P.M. Work over Conrad's paper on the cala shells. Wind slackens off. becomes headwind and commences to rain. Write on list of figures of Conrad's plates and turn in early.

SATURDAY, AUGUST 11, 1866.

Morning. Get a little sparrow from Capt Scammon that flew aboard last night and died in the cage during. Succeeded in making a tolerable skin of it. Write nearly all day on index to Reigen Catalogue and finish A. & B. A breeze springs up and carries us along about 8 knots for a while. Listen to yarns of the Telegraphers, and go below. Not dark till eleven P.M. we are 130 miles from St. Lawrence Plover Bay and about 60 from St. Lawrence Islands.

SUNDAY 12

Morning. Wind ahead again, St. Lawrence Id. in sight. Morning muster as usual. Write a little and read "Half a Million of money." About noon wind dies away and we are directly opposite the island on which in the higher portions large patches of snow are visible. A canoe load of the natives, twelve in number come off, two papooses, 3 women and seven men but with out anything to trade except a small bunch of fish which is secured for scientific purposes. Evening beating towards Plover Bay 100 miles off. Much betting on it.

MONDAY 13

Morning. A furore for betting pervades the entire ship with very few exceptions. I, contrary to my usual custom, have ventured enough to change to give a little excitement to the time of arrival. The day alternates fog and clear sky, a brisk breeze and a dead calm. Catalogue all specimens on hand not already done write on index & errata of Reigen Catalogue. In the P.M. Cape Chukotsky is quite visible. Sausage skin aggravates me awfully, with his easy insolence about truck.

TUESDAY, AUGUST 14, 1866.

Morning, a moderate breeze takes us slowly but surely toward our destined port. About one o'clock the hills at the outlet of Lake Moore are visible at twenty minutes of four we are within the heads of Plover Bay. A vessel within, is almost unanimous by decided to be the Golden Gate, but my decision made from the looks alone, of her masts, as far as I could see her, that it was not; proves upon our anchoring at 14 minutes of six, to be correct. It is the Rutgers, one day in, Puget Sound July 8th. The steamer has not been here. Come out of betw of ahead.

WEDNESDAY 15

Rainy and foggy in the extreme. At work all day in getting the Wade overboard which is done at 4.30 P.M. Nocum comes aboard. Smith brings me a skull and other valuable collections from Puget Sound. Spend most of the day arranging them & packing & cataloguing them. Put a lot of flowers in press. Capt. Scammon and Major Wright take the barge up to Emma Harbor and over to the spit on an exploring party. Eskimo aboard nearly all day. Get the brush from, and furnish arsenic to the doctor. Get powder and flack from the gunner.

THURSDAY 16

Foggy and rainy in the morning. All hands posting ashore, however, Am notified early, by the Captain that I must be ready to go with him on an expedition in the barge. Get ready and although it rains, make soundings along the line of the spit and go up to Emma Harbor where we dine (and blow up a can of meat) meet Kelsey & Charley & take them back in a tremendous rain seven miles, without any kind of shelter. Evening press flowers & grasses collected during the day.

FRIDAY, AUGUST 17, 1866.

Morning, Major Wright, Libby, Lemon, Jared Norton, Nocum, and the Captain, start off to the head of the Bay to make explorations toward Penkegn Gulf. I choose to remain behind, because I do not wish it to be thought that I regard my own pleasure more than the work of collecting. Get the skiff and go ashore with Asken and Schuyler over the hill through the ravine round the lake and halfway over Bald Head and back reaching the ship about five, well tired out, but with a good many things worth having besides the tramp.

SATURDAY 18

Morning, go ashore with Kelsey and Charley Scammon after snipe on the spit. Get one hundred and eleven, beside a good many specimens of flowers & bones. Black & Bourne get back from spending the night in an Indian hut with nothing to eat. The Wright arrives about 6 P.M. the Colonel on board. Work stopped on the steamers. Feel blue all day. Bourne insolent, Charley S. shirks work after volunteering, spill arsenic & cut my self, boys steal the little brandy I have left after giving them each a drink & leave me to clean gun. after shooting with my gun shot &c all day.

Morning, dull and drizzly. Capt. Scammon gets back about 4 P.M. bringing me a large number of specimens including two small seals. Muster at eleven in the pouring rain P.M. after working over collections all day go over to Mr Wright and dine with Whynter Col. says in substance. You and W. may stay up all winter, if you like, you had better go over to St. Michaels and see Kennicott before deciding on the side you will remain on.

MONDAY, AUGUST 20, 1866.

Morning thick and cloudy. Ryder & Whymper go ashore to take photographs. Doctor Fisher and Kelsey go a gunning. Find that in consequence of improper soldering my gun is unfit for use, the catch loop being loose. Work all day over collections. Cut up, for boiling the bones, two leopard seals; a very nasty job. Get specimens in room nearly ready for packing away. Get ready for going up the Bay with steamer tomorrow.

TUESDAY 21

My birthday. Morning. Get room ready for return of Libby. Pack up some few things for excursion which may last over night. Start on board the steamer after lunch, for the head of the Bay, about 12.20. Reach the point where we find the party who have found an easy path to Penkegn Gulf with a divide of only five or 600 ft. and have not found any practicable route to Cape Spanberg. Visit all the small bays and returning, arrive at our anchorage about 6.30. Spend the evening with Laborne, Bush, Whymper, Lewis and Munn and sleep in Whymper's stateroom on the floor.

WEDNESDAY 22

Morning. Fair and cold. thermometer 43. A slight fire in the partition between the gallery and the smokestack. Write up log. About noon go aboard Nightingale with Nicolai, when she drops down, much nearer the Wright. Pack a bread box nearly full of collections made up to the present time. P. M. Go over to the sand spit follow it round and meet an old indian who shows me the mangled remains of several sick men murdered by their relations, and I get several poor & one good skull. Dancing on board in the evening.

THURSDAY, AUGUST 23, 1866.

Morning. Lemon, Libby, Norton and Nockum with an other Indian go off for another exploring expedition. Work over the seal bones all the morning, and get them both clean by two P. M. Steamer takes us in tow just after lunch, and we proceed slowly up the bay to the harbor, whence a defile extends to Penkegn Gulf. Go ashore late in the afternoon, and get photos of ships &c. Am taken, in one group. Capt. Kelsey has his house 12x18 already started. The Rutgers came up yesterday. Pick up specular iron ore much mixed with quartz, and a wolf skull.

FRIDAY 24

Morning. Spend most of my time aboard, working over collections, numbering and naming plants, skulls masses &c. About noon the first telegraph pole in E. Siberian Division is raised with the American and Company flag on it; and a national salute from the flagship; and the station is named after Capt. Kelsey. In the afternoon Geo Dow & Ash go over to a neighboring hill & see a vessel at the heads. Wright goes down to see if it is the gate. Collect on shore & get back, 19 in dingy.

SATURDAY 25

Early in the morning go on to the island off the Cape which has been named after May. Lechappel. Wright comes back as we cross in the dingy, and has found only a trading brig outside the heads. Get quite a collection of shells on the island which has some soil, and quite a growth of grass upon it. Come back about noon in time for lunch, work over collections in the afternoon and pack my first box, pretty full, in the evening. Shall fill it up soon and get it out of the way.

SUNDAY, AUGUST 26, 1866.

Morning. Col. B. aboard. Take a bath and get ready for dress parade. All hands from the Wright on board. Ryder takes a photograph of the Land Service and then of the Marine Service, and finally, one of the pioneers of last year, which included me. Go on board the Wright with Whymper ~~and~~ and take lunch and remain till dinner and arrange to ascend the mountain with Bush and Lewis tomorrow. Come back, find Libby & Party back with a clear road found for the wire to a Bay south of Spanberg. Evening with Kelsey & Capt. Scammon. Beautiful night. moon and still as glass & MONDAY 27 the hills & Emma Nar. in dist.

Morning. Get a boat and go over to the steamer. Find Lewis ready to ascend the mountain but Bush backs out. We get a boat and ascend 1723 + ft. by barometer being met by a perpendicular crumbling wall of rock forming the peak of the mountain 300 ft. above our level. We named it Danger Peak, an appellation well deserved. Go up at 10^h 30^{min} and get down by 4^h P.M. Go aboard the Wright which has returned towing the Golden Gate. all on board well. Dine there. see Wicker & go aboard Nightingale. Spend the evening with Capt. Scammon.

TUESDAY 28

Actual corrected height ascended 1732.29 + feet. Morning feet a little stiff & sore but not so much as might be expected. Day clear and delightful by bracing though cool. In the morning work over arranging plants & packing away specimens. Take gun over to the Wright which lays along side & coals all day. P.M. Work over Rabbit skull and have a fight on the question of ownership of collections with Grot, in which I totally back down that pig-headed Dutchman. Evening skin birds. Ryder back.

WEDNESDAY, AUGUST 29, 1866.

Morning, busy till noon in packing up & labelling specimens. Afternoon go ashore on the island, calling at the Gate for Rob. Caldwell. Get a good many plants and return to dinner. Go aboard the steamer which is still coaling and stay a while. Come back and put up the days collections. Have more trouble with Borne on the collection business, which is very disagreeable, but what can be expected of a fellow who has no ideas outside of a ship & a bottle.

THURSDAY 30

Day clear and fine. Continue my fight for the order in regard to collections with a fair prospect of success, although most of the pack are extremely offended at the idea. Go over to the island and have a picture of the whale's skull taken with myself in full working habit. Ryder takes Lewis, Norton & Kadin surveying. In the afternoon go over on the mainland, along the line and over the house at Kelsey station. Get a few fine mosses. Davis, Black, Klinefelter Allee and Libby over at the same time. Back at 5 P.M.

FRIDAY 31

Major Wright informs me that the Colonel has decided not to issue the desired order in regard to collections. This result is due to the exertions of the Major & his gang. Pack up and nail up boxes of specimens. Write up notes. Wright haul off some distance. Wicker & the Colonel aboard of us about noon. Capt. Scammon merrill. 3 blue pills. After noon write to Kennicott, finish up several odd jobs. Capt. Harding. brings me an otolithe from the whale Ryder photographed.

SATURDAY, SEPTEMBER 1, 1866.

Morning damp, foggy & rainy with a strong northeast wind. Colonel Bulkley comes aboard and says that the Nightingale will arrive at St. Michaels before the steamer, so I retain my letters &c and go over and copy sketch of upper Harbor, make sketches of mountains &c, take lunch, return, finish drawing of Lefnophora, go down in the cabin Wright and Chappel away. Dine with Captain and Mrs. Scammon with Black and in the evening talk over the fracas with Bowne preliminary to some amicable arrangement.

SUNDAY 2

Morning misty but afterwards fair. No muster or inspection Smith and a party from the whaling brig Victoria which lost her rudder in the Arctic Ocean & now lies at anchor in the lower Bay preparatory to wintering here; come up and spend a part of the day. Dry plants & papers, skin snipe & pack up & put away everything in the false idea that the Wright goes to St. Michaels tomorrow, but on Smith's authority find that she only will carry down some lumber for the steamers & octurn Whymper will stay at Michaelovsky Is. with Capt S.

MONDAY 3

Morning. Go aboard the Wright with the dingy & Everett Smith and about ten o'clock start out of Leal cove and go down the Bay with lumber for the little steamers. Go ashore at the little spit and Ryder takes some pictures of the steamers & cook tent. Back to lunch and then in Nockums canoe with Laborn Lewis &c go over to see them kill an old man which they won't do while we are there. Back, go aboard Nightingale spend evening cleaning and fixing up my gun.

TUESDAY, SEPTEMBER 4, 1866.

Morning. Day fine, clear and lovely. Get permission from the Colonel and about half past ten start with a boat and four men from the Wright, Lewis & Jerry Norton as passengers and Lemon as assistant; to measure Mount Kennicott with the barometer. Make the ascent in two hours, find the height to be 2348. ft 3 inches above mean low tide level. Stay up about two hours, come down in one hour, get back to a late dinner not very tired. Evening in the Cabin

WEDNESDAY 5

Morning. Cloudy, cold. Spend the greater part of it putting my gun in order and cleaning it. Toward noon snub our Touché of an adjutant. After lunch go aboard the Wright with Radin, stay awhile return to Nightingale, Col. B. considers it best to remain on the Nightingale, and go over to St. Michaels in her. Leave pkge of letters for Kennicott with Whymper who will stay at St. M. all winter. Back with Westenhall who is transferred to the L.S. Evening. Transfers of men to Rutgers, Golden Gate &c. create some bustle & excitement than usual.

THURSDAY 6

Morning. All bustle and hurry. 2 M stores going on board Rutgers and Gate, and men transferred from one vessel to another. Foss and a number of men from the Gate come aboard. Libby goes on board Rutgers, also Radin Cox. Havan and other. Mr. Ritchie from the Gate is to be my roommate for the future Rutgers will go to Grantley Harbor, Libby in charge of men to be left there, Gate for Anadyr. Capt Dick Bush in charge. Lealdwell goes on the R.

FRIDAY, SEPTEMBER 7, 1866.

Morning, wind blowing hard and fresh in puffs. Make arrangements with Preston & Westenhal to ascend and measure Danger Peake, but wind blowing so that the barometer will not keep steady aboard and start in boat to go to Wright for tripod & Westenhal and ashore. Get tripod but find Westy busy, and go ashore leaving Preston to watch the lower station while I ascend alone the craggy peak which I accomplish successfully about two hours going up and one coming down, a very hard climb with a heavy load. Height 2179.5 ft. true.

SATURDAY 8

Morning, snowing hard, decks covered, hills and gullies quite white. No chance of getting boots, it appears although I have cut my only pair to pieces on the mountain. Work over small chart of Plover Bay repairing proportional dividers &c. Give letter for W. W. Robinson at Anadyr to Finlay. Get another mountain thermometer from Lewis. Get an unfinished flag from Agnes our Quartermaster and set to work all the evening sewing on stars. Feet a little blue. Odds heavy, but never say die. Nearly four weeks laying, all but idle, in this desolate port.

SUNDAY 9

Morning, cold and wet without cessation snowing lightly. No inspection. Getting ready to leave. About eleven a gun fired to order all hands to be ready for sea but the wind suddenly dying away, we remain at anchor with the chain short. A yellowish white gull circling about the vessel at 3.5 P.M. weigh anchor and start down the bay. Col. Bulkley aboard at seven thirty anchor near the spit in lower harbor. Weather thick. Wind light, ahead. Work on flag most of the afternoon and evening.

MONDAY, SEPTEMBER 10, 1866.

Morning. Accept an invitation from Capt. Seamm on and go aboard whaling brig Victoria with Col. Bulkley, Capt. & Mrs. Seamm on & the baby, Dr. Fisher, Covert, Wicker, Capt. Patterson & Ryder, to hold a survey on her and inspect Capt. Fisher's ingenious substitute for the rudder wrenched off by the pack-ice in the Arctic Sea. Ryder takes a photograph of it, we have a punch of alcohol cum capsicum, leave for the little steamers then for the Wright who goes up after the Rutgers & Gale which come sailing down about 1 P.M.

TUESDAY 11

During the evening, a strong breeze sprang up from the Northward which increased to a gale and about 12 P.M. our anchor commenced to drag and we narrowly escaped running down the brig Victoria before the second anchor was holding. All day following, wet, blowy, and disagreeable. Pack away some collections. Kill four birds shot by Everett Smith.

Names and trips aboard in P. M. Turn in early. Wind abating. Rutgers sailed at 6.35 for Gr. Hav.

WEDNESDAY 12

Still lying here idle with the precious time flying by. The hilltops white with snow, and no vessel or word yet sent to the American side where we were expected in May. The Golden Gate with the little steamer ~~Wald~~ in tow is towed out by the Wright enroute for Anadyr at 3 P.M. Bush in command. Nockum is given one of the two remaining stoves, and two or three thousand feet of lumber out of our scanty supply. Smith aboard in the evening.

Manuella, ^{THURSDAY, SEPTEMBER 13, 1866.} Brig & trader, Capt. Redfield arrives about 11.

Morning, worrying and fretting all day, about trifling annoyances from Fisher and others.

It gives me some real comfort occasionally to have him insult me, because of the intense enmity I feel for him on account of the thousand little nothings which I have to bear continually.

It then seems to give some real ground for a feeling of which I am ashamed. At 12 M. Steamer Wright sails for Michaelovski with Mr. Wilder in tow. Later go ashore in Capt. Fisher's boat & get some more skulls.

Evening Capt. Redfield & Fish of Manuella & Victoria brigs aboard. I have a ^{FRIDAY 14} dance. Grob paints flag.

Morning. No signs of getting off yet. Ryder takes a picture of Aylesburg Lammon in sailor clothes with Grob's eagle and the American flag in the background. Mr. Ritchie is introduced to officers & crew as mastermate and one of the officers of the flagship Nightingale. In the morning, pack a box of specimens & close it, label & catalogue and write up notes on specimens, start in again on index of Mazatlan shells; getting ~~Foss~~ to help me. Get a tracing of Grob's picture containing Mr. Kennicott which I hand over to Whymper for a sketch. ^{SATURDAY 15}

Morning. Day fine but windy. Get a young Mormon arcticus, which was caught some time since by Dr. Fisher, but which died from improper food.

Spend part of the morning skinning it. The Doctor is greatly disgusted when informed that it has fallen into my hands. Write on index to Mazatlan shells. Get Foss to writing in the afternoon. Finish C. Get a scow load of coal ashore making 68 tons in all. Evening. Walk the deck with Mr. Ritchie till 9 and then to below. Write, and read Moliere and turn in.

^{Wright arrived} ^{SUNDAY, SEPTEMBER 16, 1866.}

An excitement in the Bay. Early in the morning three humpback whales, a bull cow & calf, enter the bay. Redfield and Fish start in pursuit. Redfield's boat is stove and Tripp is knocked overboard two or three times and gets his leg jammed in the coil, but after being dragged six or eight miles out to sea finally gets fast to the cow and kills the calf. The Manuella goes down to get the dead whale & sent him in. Capt. S. goes part way but returns without getting any measurements as the whales are too far off. Day most lovely and evening the same.

^{Wright arrived at} ^{MONDAY 17} Idle all the morning, walking the decks. Day fine clear and beautiful. Shortly after lunch Capt. Fish of the Victoria comes up from the Manuella and offers a chance for me to go down and see the humpback cut in which I gladly accept and taking my blankets go down in the whale boat with Mr. Merrill, anchor and chain, but find the brig far out and the whale cut in. Get some notes and standing in. For the Bay pass a pleasant evening & night aboard the brig. ^{TUESDAY 18}

Morning breakfast aboard the brig and find it has been snowing in the night and the hills are looking hoary. At anchor in the Bay. Get some barnacles from the whales throat. Capt. S. baby & Grob come aboard & I return to Nightingale. Apologise to Maj. Wright for going off without notifying him. Make sketch of barnacle, write letters to send by Capt. Redfield. Drop up the Bay so as to get free of the spit. Try & clean the fresh skull. & evening with the Capt. in cabin.

WEDNESDAY, SEPTEMBER 19, 1866.

Day disagreeable, cold, raw and wet. Every body has a bad cold. In the morning, Pack up and away specimens of various kinds but a good many things to rights for sea. Redfield trying out. Bark Evelyn Wood arrives in the afternoon from Victoria with material and letters. Get one from Aunt Sarah. News that the Atlantic cable has been working well a month and of peace in Europe. Stand out across the Bay, wear round and drop back again for want of wind & down mudhooks

THURSDAY 20

Weather wet and disagreeable. Soon after breakfast weigh anchor and stand across the Bay.

About half past nine A.M. stand out to sea, weather foggy; en route for St. Michaels. After getting out blows hard with a headbeat sea, which makes almost every body, myself included feel a little queasy, and one or two are right sick. Finish drawing of barnacles, go aft and read papers which came by the Evelyn Wood which waits for the Wright at Plover Bay. Read Reveries of a Bachelor and lay low, all the afternoon and evening. Night stormy

FRIDAY 21

Morning little wind, foggy and wet, off St. Lawrence Id bearing N.E. twenty miles. Pace the deck for exercise and air, study a little Greek copy some verses. Read some more papers. Get a picture from Whympur of Mt. Kennicott, Dress Blacks shoulder, take time for Mr. Norton. Weather much calmer but winds light and baffling. Get the cabin steward to cut my hair and feel much more comfortable after the operation. Capt. Seamon unwell. Called down to see him in evening.

SATURDAY, SEPTEMBER 22, 1866.

Day disagreeable rainy and snowing. Wind fair and fresh. Vessel pitching about a good deal. Spend most of the day over Index to Magatlan shells. Evening clears up, wind freshens and take in sail.

SUNDAY 23

Hard snow and hail storm at intervals during the day. Write on Index to Magatlan Shells. Capt. Seamon unwell again; remain some little time with him and take lunch in the cabin. After noon write, and read the "Initiale" which describes the queerest young lady, and the most remarkable young man that I ever read of.

We are drawing near St. Michaels, I hope to find all well. Much depends on the events of the next few days both as regards myself and Kennicott and the Expedition. Land seen at 11 P.M.

MONDAY 24

Morning. Land on all sides in sight. Capes Darby and Denbigh, Egg Island, Stuart Island, Island of St. Michaels and the main land and ranges of volcanic hills in the distance. Towards noon make out the fort and the Steamer, and send off a boat to make soundings S.E. of Egg Island which returns with 6 fathoms. Send a boat with Chappel, & Ritchie in it, ashore. Come to and anchor in a driving snow storm S.E. of Paichnoi Id. Evening Capt. Seamon quite unwell, sit with him, and write on Index.

TUESDAY, SEPTEMBER 25, 1866.

Morning stormy. About noon Wright gets up steam to get off to us. Write letters, feel a feverish anxiety, for which I cannot account, to see Kennicott. About four P. M. The Steamer comes up and anchors under the lee of the island.

About 5 P. M. a boat with Ennis, Ketchum and the Colonel comes alongside, and brings the awful news of Kennicott's death, sudden and unexpected, due in great measure to Ennis' double dealing and bullying for which God forgive him. It happened May 13 at Mulato in the morning. Charley Pease will go home with the remains. I loved him ^{WEDNESDAY 26} better than any one else in the world. He loved me, trusted me and stood by me like a man and gave me confidence in myself which has carried me through many trials, and will with God's help, carry me through many more. Morning Wright sails for Grantley Harbor. The Colonel just before leaving makes me Surgeon of the District from Conway to the Straits. After consulting Wright as to the best course, pitch in and make out requisitions, and deliver them to the Doctor. Up till 1 A. M. writing circular letters &c and get through a really astonishing amount of work.

THURSDAY 27

Morning. Let Schuyler at work over the brigs amidsthips and Foss over the medicines; and go ashore in the Wilder. See Pease and talk over things with him, help him pack up and go on board with him. Find that Dr. Fisher has put up a criminally small supply of medicines and given me an unauthorized order which I return endorsed as such. Whereupon he grossly insults me. My hands are tied however and by Major Wright's advice I make a Report on it for the Colonel. E. Write.

FRIDAY, SEPTEMBER 28, 1866.

Rainy, wet. Go below and break out Amidships brig get boxes &c ready for shipment ashore. Send Schuyler ashore to tally off boxes. Get things up from below, amidsthips and get almost everything onto the lighter or scow. Pack up private things. Get a painted sack from Capt. Scammon who is quite sick. Mrs S. puts up a box for Whymper and I, with 8 or ten bottles of assorted liquor some sardines &c. A storm comes up and prevents us from getting ashore. Buy Ritchie's watch and give him mine. Get Dyer to buy a pair of dental forceps from Fisher and pay him 5.00 for them. 3 inches snow.

SATURDAY 29

Blowing hard all day from the North, which winds always ~~thaws~~ the water out of the bay through the "canal". The vessel soon begins and keeps on all day and nearly all night a thumping on the bottom which was luckily of soft black mud. Go down in the Cabin and write. Every one feels nervous and troubled about the vessel. Capt. Scammon no better. Turn in early to get a good night's rest. Sergei Stepanoff in factor in charge of Fort St Michael and is an old soldier, of unbridled passions.

SUNDAY 30

Morning snowing hard. Soon clears off clear & cold. Baunister, Pease, Grönberg, and Elia come aboard for good. Major Kennicott's body, in a coffin made at Mulato, is brought aboard. Write a protest against leaving syphilitic men here and get a blowing up from Wright for it. Damn these doublefaced hounds. About 2 o'clock get in to the scow with baggage and are towed ashore by the Wilder. Get my things upon the bank and into B's room. Evening down to Ketchum's tent. Fisher drunk as a fool sleeps in my room all night. Stepanoff has just raped the only virtuous girl in the fort.

MONDAY, OCTOBER 1, 1866.

Morning wake up with a bad cold. Fly round all day and get out equip ment, to go on the steamer to Unalakleet. Spend the day in making a careful selection as this will probably be the only chance to get things up. The Russian Barkis is leaky and they load down the steamer and all the small boats and try to get ready to sail tonight. Nightingale sails for Plover Bay about noon. Find that they can't get away tonight. Evening go into Ennis' & Bean's Room, and turn in early. Dyer, Lebarge, Ennis, Whympere & others will go up tomorrow.

TUESDAY 2

All hands busy in the morning getting things into the Wilder. Day Chappel in the launch, gets off first. Then Adams with the bidarra, loaded with flour. The steamer starts towing a small boat but strikes a rock in the middle of the harbor. Great excitement for a short time but finally get her off and she is soon out of sight.

Get medicines out of Stepanoffs chest. Get the goods out of the cookhouse with the help of two Indians, up to Bannister's room. Evening talk over Explorations of Youkon mouth with Bean & turn in.

WEDNESDAY 3

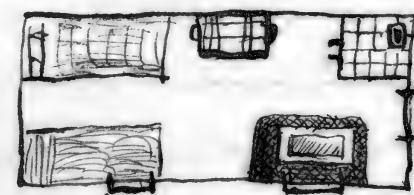
Morning clear and cold. Kelchum and I in Ennis' room which we moved into as soon as he got away. Spend the greater part of the day packing up things for journey to Unalakleet. Leaky barkis was got ashore last night, and was calked & pitched today and in the evening put afloat. Get things packed and in evening write up memoranda &c.

THURSDAY, OCTOBER 4, 1866.

Morning get up late. Get Parkie which has been sewed up and pay a piece of soap for it. Write orders & letters to Caldwell at Grantley Harbor. Expect steamer which doesn't come and we think that they have probably concluded to beach her for the winter. Weather cloudy and cold. Get a pair of winter boots about 15 inches long. Make up a cap, out of an old visor, my Glenjarry, and a company button. Grit consists of bacon bars, beans, Russian bread, and tea, particularly tea. Every body has a bad cold. Life dull but comfortable.

FRIDAY 5

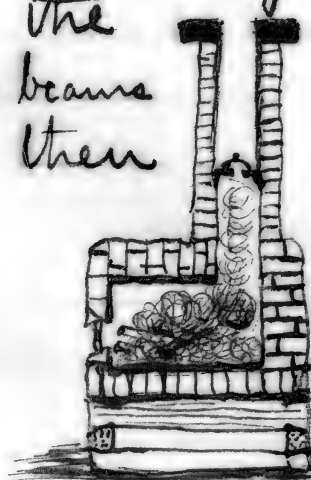
Cold with a north wind and no chance of getting off a boat to Unalakleet. Lay abed in the morning for want of something else to do. The bed consists of a wild reindeer hide with the hair on and with one end sewn into a kind of bag to put the feet in. On top of that my blankets and over all Bannister's shawl so that I am fixed off very gay. Ketch



un occupies the opp. corner, at one side of the room is the stove and the other K's desk. Walls dark red with a gray line near the ceiling. Got boxes up from cookhouse.

SATURDAY 6

Russian Sunday. Morning gray, with a little snow. The stove that warms the room is of a peculiar construction. A frame of beams is first laid and filled with volcanic gravel then lava blocks with one layer of brick above. A sort of oven is then built with brick & lava and an arrangement in the chimney by which all draft up, can be instantly checked. a fire is made and the bricks heated the fire is put out the draft stopper and the stove will heat the room all day.



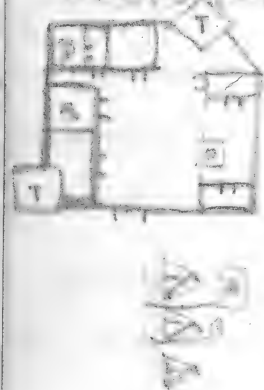
Peechka.

Passage Sunday SATURDAY, OCTOBER 13, 1866.

Morning. Waked by Capt Smiths boy Tommy who says "cooshit" and go down to the steamer for grub. We have a small but select ones there and the grub is highly palatable to that at the fort. Get a beautiful grouse which I lay aside for skin. Boys at work hauling up the Wilder. Put up some medicine for little Marcia who is Andreas daughter. Look over the medicine chest and find some of the things frozen. Take it into Andreas room. P.M. Dyer in my tent trying to make arrangements for making boots. West Dahl Smiths kids are arrive about 4 P.M. all right. West Dahl sleeps in my tent with me. Very cold and piercing wind blows at night but sleep quite comfortably. Dog howling all night.

SUNDAY 14

Morning very cold and windy. Go into the fort and dress and down to the steamer. This is the last day that we shall eat on board of her as the stove is to be taken up to the fort where we shall get our grub hereafter. Ennis and Kitchman will mess with Andrea and we shall mess in the bakehouse and the mess in the new log house. Dyer working over his requisition. One of the Indian chiefs came here and we gave him our powder belt and caps to them in order that they may shoot venison for us when we get to Nulato. They are much finer looking men than the Maplinmuts.



MONDAY 15

Morning go into the fort to dress and breakfast. Coffee, bacon and tea. Get apt barometer and find 1406 is + 018 to 1426. Put up 1426 and repack the other. Weather mild. Help Dyer on his calculations. Get out alcohol for Francis and get 200 bullets from him. Bullets, shot, cotton drill, powder and percussion caps, needles and old clothes will take any man through this country. Beads are of no account. Afternoon take a fine steam bath full steam and comfortable, wander round without any thing particular to do till supper time. After supper meet George Duke and the Captains of the Vulture by com. Borden and talk with a few chapters of good thistles.

TUESDAY, OCTOBER 16, 1866.

Morning clear. Dyer gets out Nulato stores. Get a light parker of Oshashos for 250 in 25. The light adult deer skins generally of a gray brown color, white in the belly, are called neekas. The young skins of a pleasant red brown and gray white are called neekas. The fine deer skins generally fine, white, brown, and gray, are called neekas. There are no tame deer on the American side but on the Asiatic side, especially in the Amador district, the richer chiefs have herds some times reaching according to report, the number of 20,000. Afternoon put the Nulato stores into Andreas little store house, read and write. West Dahl goes into the

WEDNESDAY 17

house, its sleep being disturbed by the cold weather. I do not think the thermometer has been above 25° since we slept there, though it may have been at noon. A tin dipper of water, frozen hard the first night has since remained so. We have four Indian servants here who have been christened by the most ostentatious names. Magaffin, Lushy, Isaac and Jim, of whom Lushy is by far the best, and a very useful man. A most beautiful day and evening. Get Ennis, Kitchman, Andrea, Kitchman and Francis into the tent and treat them to some of Mrs. Ennis's of jam, which is a good thing to stimulate their affectionate feelings. A pot of the milk of human

THURSDAY 18

kindness. Morning after a very comfortable night. Fine fog all around us but on getting out there is to be hardly a drift of a foot or so deep made by the wind and snow in the night. Lay round and do nothing all day, sewing and blowing bags. P.M. wrote to Ben at St. Michaels asking him to send up some alcohol, nitro egg, glass, arsenic and chloroform. See proposed and also a box of fine printing powder. A horse is to go down tomorrow morning and I may be able to get up with my addition to our stores as well. We decided. Weather quite warm and soon showing promise

FRIDAY, OCTOBER 19, 1866.

Morning. Weather still warm and clearing. Breakfast early, and Adams in charge of barkie with black, brown, Wilson, Lupton, Fox and Fitzgerald started out of the river towards the Wharfedale. The tide being very low they have to wade, not being able to get out, but the current away from us and my tent and take the barometrical observations in the morning. Evening. These fellows in a drink the process of conversation stated that he had seen me buying furs of the Indians and paying exorbitant prices therefore, I gave him the lie direct, and refusing to retract or apologise or fight. He tells me he is going to punch my head when he gets a convenient opportunity, at which point the matter rests.

SATURDAY 20

Russian Luncheon. Got a short message from Tanny Denison and our quarters with his girl. Morning. Calm, clear and beautiful. Got a can of milk and sent the boys. Got all 4 pairs into the tent and administered a little of the milk of human kindness. Last year Charley Pease killed a wolf by poisoning him and following the tracks shot the dead body and skinning him reported that he had shot him which raised his reputation immensely among the Russians. Evening. Serenade. Francis and his wife in kitchen and tent, and "At Myself" and "Lion" in. Night very cold about zero and a high wind blowing the tent.

SUNDAY 21

Lay round all day and do next to nothing. No bath and nothing doing. Variation of the compass $28^{\circ}30'$ Easterly according to West-dahl.

Monday 22

Morning look over all my things and get out a sketch book. Make a sketch of the fort. Afternoon make arrangements with Lewis to have St. Smith act as Surgeon here while I am absent, call well at Grantley Harbor and myself at Nulato. Get all the boys into the tent and have a regular jollification finishing

MONDAY, OCTOBER 22, 1866.

up all the liquor and wine I had on hand. We then adjourned to the house where Jay produced a bottle of claret and we all went down to the Indian dance in the village. On coming back to turn in, on striking a light, found that a five gallon keg containing Rum, Medical Stores has been abstracted during our absence. Rant out half the Indian town, search the constructors house and finally conclude to let it go till morning and turn in as no signs of it were to be found.

TUESDAY 23

Morning. Strong grounds of suspicion exist against Foss and Fitzgerald as the thieves of the liquor as follows. Foss was to my knowledge the only man who knew of its existence. He and Fitzgerald were seen lurking around the tent while we were in the house. They volunteered to get water, a thing unheard of and returned without any, and were the only members of the party. Mike however came in with the keg nearly empty having been left leaking on the river bank last night in the flight of the thieves. Divide the remainder about six quarts and turn over to Smith his portion. Get a cap of moka from Anna, and make ready for an early start.

WEDNESDAY 24

Doubt of the Wharfedale River being frozen, above; so we do not start just yet. Get all my shot out of the tent and put it in one of the small Russian towers both of which are being fitted up for the accommodation of our party. Look over our large box and arrange the contents for a speedy trans mission to Nulato. Move my bedding into the room vacated by the boys in the fort. Clarence Smith sick. Afternoon take a walk up the beach toward Beeborough Island, with Kitchum. Evening have a regale of rum and hot bread and nuts from Jay Chappel.

THURSDAY, OCTOBER 25, 1866.

Morning. Pack box for transportation. Ther. 5°+
Get Medical stores ready for transportation.
Appoint Fred M. Smith Acting Asst. Surg. during my
absence and order Caldwell to send him such stores
as he may require. Take Breakfast and dinner
in our new house or turret which is lined with
alene skins and very comfortable though rather
small. Denison, Dyer, W.W. & E.E. Smith in one, and
Chappel, F.M. Smith, G. Adams, and Westdahl in the
other with Macintyre the cook. Evening write.

FRIDAY 26

Morning, Capt. Ketchum concludes to start up
the river to New or First Ulukook although it is
to be feared that the river is not fully frozen over.
Hakenius, one of the Russians, makes a row because
Francis and his wife are to occupy a bunk in the
cabin, but Andrea pitches into him and tells him
and is going to send him down to the redoubt to
morrow. Go and take a bath and pass an hour
or two packing up and in the turret with Dyer
W.W. Smith and Denison. Sleep with Whymper in
the Cabin.

SATURDAY 27

Morning rush about and get every thing ready
for a start. Get four sleds and load them. Can't
get enough dogs and go down into the Indian vil-
lage and seize all we can lay our hands on.
One old woman howls dismally and afterwards cuts
her dog loose but we get him again and start about
11. with a chew and one gun from the fort. Break
our sled runner and stop for tea & mend it. Go on
but are stopped by darkness and open water, and
camp on the high bank with a good fire and take chiv.

SUNDAY, OCTOBER 28, 1866.

Morning. Up early, have a grateful meal of tea, bacon
and biscuit. Thermometer -6°. Four of the dogs have gnawed
their harness and escaped. We have no dog feed so they feel
pretty ravenous. Have a hard morning's work only 3
dogs and over five hundred pounds on the sled. So that
I have to push the sled pretty much all the way.
Arrive at New Ulukook about noon. Unload the sled
into a vacant house and go across the river to Amilac
house where we get dinner, tea, bacon and biscuit
and spread our blankets, smoke, write, and turn in.

MONDAY 29

After a long night's rest, wake a good deal refreshed though
rather stiff. Get the boiler home and biscuit for breakfast and
eat heartily. Take a walk up the river about four miles with
Francis to a place where the Indians catch fish in sum-
mer. Find many open places in the ice and return.
Mike and Pickett leave about 8 A.M. with dogs & sleds
for Amalukleet. Will return immediately with another
load. Get a beginning of a vocabulary of Ingalet words.
Make a few sketches of the house and Indians. Chyaloak
brings in some partridges. Have a telegraph stick of alene and
other sundries for dinner which is superfluous.

TUESDAY 30

Sleep well. After breakfast go over to Summerhouse and
unpack some boxes for shipment to Nulato. Walk down
the river a mile or two with Francis, and look into
some old deserted Indian huts which are lined with
the most beautiful lichens and mosses. There is a white
growth of spruce, alder and birch over the country
here. Back to the house and take chiv. About four P.M.
Mike and Pickett, Ross, and Chase with five sleds come up from
Amalukleet with loads containing everything of ours remaining
at that place, if any. Have a tip-top supper and all sleep at Amilac.

WEDNESDAY, OCTOBER 31, 1866.

Morning. Write to Dyer, have breakfast and send all the sleds back with Ross & Co. Keep nine dogs, to go up to Nulato with the light Inglest sleds. Weather very mild and thawing fast in the morning but about noon changes to cold again. Go over with Mike and Francis and get out some Peckasses. Let the dogs out of the Ensign house where they have been shut up to prevent their following the returning sleds. Weather remains the prospect of moving on to Old Ulukook and Nulato rather doubtful. Whymper and Francis have a great discussion about the relative merits of rice and beans as an article of food.

THURSDAY, NOVEMBER 1

Weather still milder and snowing fast. Inglest and Unilean go out shooting. Find the dogs are not all here some must of them having left for Unalakleet. Propose to Ketchum to start tomorrow morning and walk down to Unalakleet (25 miles) and get the dogs.

Francis insists on going too. Make arrangements with Lofka, an Indian from Nulato to go up to Nulchukayet. Tell all the Indians to bring out their fish (dried) for dog feed and Ketchum intends to buy all they can spare for our dogs this winter.

FRIDAY 2

A fine day, but warm. Start at a quarter to nine with Francis to walk to Unalakleet. Walking good but wet and we have to bank it, part of the way. Start my old five-mile-swing, and arrive at Unalakleet at 2.10 P.M. just in time for a hot steam bath and a good dinner. Walking down on the frozen river is a good deal longer than going over land, but we had no snow shoes and it was much harder to walk through deep snow 15 miles than on ice 25 miles. Sleep in Adams bunk he being gone with Ketchum to Sk.M.

SATURDAY, NOVEMBER 3, 1866.

Morning. Warm and unpleasant. Francis does not feel like going up today and the ice is very bad, so I conclude to wait till tomorrow. Dine with Andra, give him some shot, buy a pair of boots \$1.00, write to Joe Pierce at Flower Bay as there is a slight chance that some of the Indians may cross the Strait this winter. Go down to the dance in the evening to the manes of a dead man in which some six or 8 friends dance in costume, and a vast quantity of edibles consumed and things given away.

SUNDAY 4

Morning. Therm. 10° a strong northeast wind blowing with snow in blinding clouds. Notwithstanding the opposition (sensible enough too) of all all hands. I start off about half past ten, alone for Unalakleet - where I arrive cold, wet and tired about 6 P.M. an hour and a half after dark. The feeling which urged me off, as usual proves to have a foundation. To my astonishment I find a note from Ketchum who started yesterday for old Ulukook and sent another train to day which I have missed. Only Inglest here. Chi, dog, & turn in.

MONDAY 5

Get Inglest to go over to Ulukook with a note to Capt. Ketchum in case he has not gone, asking for orders &c. If he is there I will take a sled & dogs from here and go over there, if not I will take a sled down to Unalakleet with my blankets &c and wait till Dyer comes up and come with him. Cook my breakfast, and go over and get some flour sugar &c from the store house. Francis arrives about 4 P.M. Inglest soon after with a note from Ketchum saying that he leaves old Ulukook tomorrow morning.

TUESDAY, NOVEMBER 6, 1866.

Morning. Have some salmon trout that Capt. R. sent down for breakfast. Get traps together to leave with Injichook some to come down tomorrow. Go over and look into the store house and find that most of the bacon, flour, tea and dried apples are still there. Start down about eleven with Francis for Umatkleet and arrive there about five p.m. The ice being very smooth and glairy made the travelling very hard and we were only too glad to get into the fort. Chi with Andrea cards in the evening and turn in early. Fred Smith's woman (11 years old) sleeps with him in our quarters.

WEDNESDAY 7

Morning up early having slept little, but feeling a little stiff from the effects of my tramp. Adams and the bidarra are not returned. It is very doubtful if he will be able to get back before the ice forms. Weather still warm. Therm. 18 & 20. Injichook does not make his appearance with the things from Umatkleet. Read & he round all day. Magoffin troubled with arthritis. At a recent dance in the Mahlerant-casine the evil spirit was driven away by eight or nine men with constant taps of foot with they raised in the air to every point of the compass uttering at the time a hissing noise.

THURSDAY 8

Morning clear and fine. Therm. 18. and barometer rising. Nothing from Injichook, or Adams. The days are very short now, and growing shorter. Light at nine o'clock and dark at half past four - at a dance in honor of a dead man the other day the relatives executed a dance and gave away presents. They were dressed in buckskin drawers, boots, and gut shirts, the women with their hair braided and with feathers in it. The men with pellets & feathers, the women holding long feathers tipped with bunches of alone hair.

FRIDAY, NOVEMBER 9, 1866.

This dance consisted much of the usual motions of the dance, but one of the old men went through the motions of picking berries, hunting the reindeer, going in a bidarra after seal, spearing the walrus, &c., or rather was supposed to go through them for I could see very little in his movements except the usual gesticulations. Afternoon. Bath as usual. Injichook, Matlay, Amidcar, two sleds, dogs & Francis Gray gun and some down from Umatkleet. Ketchum should be at Koutog on the Kivitt path today. Even. Play seven up with Andrea. Read Lion-hearted a sickly novel by Mrs Gray - nakuluk Pecehuk & the infant charivari.

SATURDAY 10

Russian Sunday. Morning clear & fine. Therm. 10. Dyer proposes to leave for Umatkleet to push over the goods to Old Umatkleet, day after tomorrow. Pay Dyer on a/c 50/- for Matlay who has sold his bidarra to Ketchum. Constructors getting up a theatrical performance, with local hits. They had one when I was away and I came in as usual for my share of the jokes. Write a song on our astronomer for the performance. Our quarters in the boofkas are getting to resemble the Roman "Fornices." It is too bad, but cannot last long. Even. Cards with Andrea &c.

SUNDAY 11

Morning, Wind blowing hard. Therm. 18. Morning write smoke and read the youth of Shakespeare a very poor attempt at a novel. Get the Russian chart of Lagoskin from Westdahl and go to work making a hurried tracing of it. Get ready to start for Umatkleet tomorrow. Afternoon, work on maps. Evening. Have a theatrical entertainment got up by the boys in the casine. Nigger minstrels, local hits, songs. Rhoderik Dhu by C. C. Smith & Fars; Schuyler, Haining, Clark, Denison, and Geo Dow appeared. Afterward's, finish maps, chi & turn in.

MONDAY, NOVEMBER 12, 1866.

Morning, get up early, get blankets & traps into shape, tea with aninga and start off at ten o'clock with Malemut sleds, 4 dogs in my sled and five in Dyer's, two Indians, Inugluk and New Year. Dyer and Francis, West Dahl does not go but Smith (E.E.) goes up a few miles. Run before the dogs for a couple of hours, making two parvenues and arriving at New Whukuk at two P.M. Get the dogs fed and tied up and my things into Amilcar's house and get tea ready. Have some Wakne or Whukuk trout for supper.

TUESDAY 13

Morning. Breakfast, pack up, load one Mahle mut, and one Ingalet sled and start at half past ten for Old Whukuk. The place we have just left is called Iktigalik or New Whukuk, leave the river above the bend and make a parvenue crossing two small lakes, and then the river to till we arrive at 3 o'clock, half way, 11.15 a deserted Indian village of two huts then by a long parvenue to the river just below the old Whukuk, which is kept open through the severest winters by thermal springs in the riverbed. Stay at Amilcar's house chi, olene, & back fat for tea.

WEDNESDAY 14

Morning. See Francis, Inugluk and New Year off early with three sleds, and good teams of dogs. Two of our dogs off in the night. Buy a good pair of snowshoes from Ivan for a knife. Doctor up some of the Indians who are sick. Dyer buys some fine line or river trout from the Indians. The Ingalets have only four villages; Hollog and one on the Yachon, besides these. They now number about 100 although similar tribes with the same language are found farther east. Evening brings from us back with three beams and heavy loads of goods.

THURSDAY, NOVEMBER 15, 1866.

Morning. Feed the dogs, get the broken sled of Matfays mended and start about half past ten with empty sled for Iktigalik. Pass N'took about noon and get into New Whukuk about half past one. Get tea, feed the dogs well look over the stores and talk to Inugluk to get his dogs tomorrow. At first he refuses but Amilcar agrees to wait till tomorrow and by telling him that there are plenty of atene at Whukuk I induce him to come and get Amilcar's old sled for the next days trip. Chi, and Ivan in.

FRIDAY 16

Morning early. rouse the dogs get chi, catch and harness the dogs and load the sled taking every thing from the storehouse except some dog food. Start about half past eight, pass N'took about 11.15 and arrive at Whukuk about noon, put up the goods and repair sleds. Get news from Ketchum's party by an Indian who brings a worn-out dog & a sled from Solna sopka and says Ketchum left for Melato with 3 sleds - and back the old man and a sled for Amilcar, and a boy to Unalakleet for Francis who has sold his concert yuk to Lofka for two dogs. Sleep opposite, after chi & atene.

SATURDAY 17

Morning. Dyer concludes to wait till tomorrow morning for Mike and the dogs who are due today. Write up journal, get out knife for Ivan who doesn't like it being old and worn, and through some little mismanagement of Dyer he gets mad and the bargain is off. A big crowd in all day, Lofka, Inugluk, Ivan, Sammae. Amilcar arrives late the old Mahlemut - having let the dogs get loose and two get away to Unalakleet. His wife, and a lot more Indians all in together. Move our beds up close and get ready for Doc to go down tomorrow morning with some food.

SUNDAY, NOVEMBER 18, 1866.

Morning. Get dogs together. Joe buys a lot of fish to take down to Unalakleet. Ivan goes off and sends word that he makes me a present of the snowshoes - which necessitates my giving him a big present or flinging them in his face if he won't take it. He leaves with the four Indians for Iktigalik. The old woman sends back the payment for the skin I got the other night as she wants drift, which I have not got. In the afternoon cross the river and scout for Mike but no signs of that gentleman or the teams. It is very stupid staying in an Indian house with nothing to do but eat, drink, and sleep and the day only 4 hours long.

MONDAY 19

Morning. Thermometer ten below zero. Break fast about ten A.M. even after day break. Do nothing vigorous all day. Afternoon. Go out for a short walk but find it cold and windy and come back. Pay the old woman for the skin. No signs of Mike. Sleep cold. Ivan gets back from Iktigalik and kills a deer by the way. There are about four inhabited houses here and in the summer all the Indians go down to Iktigalik on account of the mosquitoes, and to catch fish for winter consumption and for the dogs -

TUESDAY 20

Morning 8 below zero. After breakfast fix up our bed and go out for a walk toward Iktigalik and get some of the spruce and tamarack. Give Amilcan some caps and he goes out and kills six beautiful black grouse. The boy arrives from Unalakleet with Francis' conceitings and other things. Ivan sends in some fresh deer meat and I make a telegraph stew for supper. Make arrangements in case Mike doesn't get here tomorrow to get three dogs & a sled and pack a load of flour to Ivan's Barrabara. Anything rather than idleness -

WEDNESDAY, NOVEMBER 21, 1866.

Early in the morning hear the dogs howling and the Indians sing out that Mike is coming. Get the kettle on, dress, and rush out to find six sleds, two Russians and Mike, three days from Nulato. Hard work to get through, having to break the road and on arriving at Hattog, were out of grub, but coming back all was lovely and road O.K. Ketchum sends word for me to come on but for Francis to wait for another trip which is very provoking for him. No fresh fish or meat at Nulato. The Russians go on to Unalakleet and we look over stores & grub for the trip. Get some little fish for science. Get snowshoes of Ivan & give him 10 balls & caps. Promise knife.

THURSDAY 22 30 miles

Morning up early, give Francis messages for Unalakleet load the sleds. Buy fish for ourselves & Francis, start away about noon for Giesla Sophia. Six sleds, six Indians and Mike besides my self. Go for about two miles through light spruce and hackmatack woods then along open rolling plains intersected by creeks to the end of the Ukukuk mountains where we strike the woods and river at Pleasant Bluff (Giesla Sophia) where we stop at six P.M. for tea and three bags packed by Ketchum on his up trip. River and hillside woods then till we strike a small river, cache the sleds and walk a half mile to Ivan's Barrabara where we take a

FRIDAY 23 23 miles

good cup of tea, bacon & biscuit & molasses, about midnight Thermometer 11 below zero. Sleep under Mike's rabbit skin with him, quite warm. Morning, tea, feed dogs, load sleds, and off through the valley, along hillsides sparsely wooded with spruce, and alder bushes, up and down some bad hills, along the river or the ice occasionally and about dark strike an open place about six miles long just beyond Beaver Lake, strong north wind 6 below zero and snow from the ground blowing a blinding sheet. After a hard struggle pass it and stop at an old camp of Ketchum's, with

SATURDAY, NOVEMBER 24, 1866. 15 miles

only one tree for shelter. Put the sleds and a piece of bill around the camp to keep off the wind and snow. Drink tea, one side of the hand burning & the other freezing. Sleep about 10 P.M. About 4 A.M. old Ivan; (who killed the Russian bidarshik in 1882, with a knife at Nulato) comes along and shortly afterward we break camp and start for Hollog. A magnificent pair of moose horns last night all day (six hours) attracted attention. Go down one very high hill, and camp early just across Little River. Have a very pleasant, comfortable camp and sleep warm and comfortable with Mike.

SUNDAY 25 12 miles

Morning. Off at six and passing over some high hills get a good glimpse of the Yukon covered with a broad sheet of snowy ice. Arrive at Hollog about four P.M. a very strong wind on the river renders it too bad to venture further. The Yukon is about three miles wide here, and with about four to two feet of ice on it, but still open in places. Hollog consists of three houses on the right bank and five on the left bank. The one we went into was the best Indian house I have yet seen. The old woman got us some grouse and Mike made a splendid stew. All the men away.

MONDAY 26 22 miles

Make an early start and make good time on the ice which however is very rough and with from 18 to 6 inches of snow on it. The river at one place is about six miles broad but generally about three miles. The right bank is high and with bold bluffs and rolling hills sparsely wooded, the left low, and thickly wooded with out a hill of any kind in sight. About six P.M. reach Alex of Barrabara, on the right bank about 15 miles from Nulato. Get some good tea and grub and sleep sound. Therm. 32 below zero. House small and very smoky.

TUESDAY, NOVEMBER 27, 1866. 15 miles

Morning make an early start for Nulato. Leave about 6 A.M. arrive near the supposed coal vein at noon. Stop and examine it. Coal good but covered with snow and a strong probability that it is only a "pocket" not a true continuous seam. Start on. Therm. 28 below zero. Freeze my cheeks and nose a little as there is some wind in our faces. Start ahead & arrive at the fort at Nulato about an hour ahead of the dogs and bring the news of the quickest trip to Alaska back ever made with loads. Quarters A1. Evening take a good bath and find as I had suspected that I am lousy; from sleeping in the

WEDNESDAY 28

Indian camps & houses for nearly a month with out a bath or change of clothes. We have pushed our dog sleds 120 miles or so in five days with the thermometer always below zero and generally windy weather. Get the bidarshik drunk which is the surest way of getting into his good graces, and turn in. Morning 18 below zero. Get boxes open &c &c. Mike preparing to go down tomorrow for another load. Saw a rascally Koyukuk Indian in the course of the day. Grouse and reindeer meat. Coffee and Russian bread for our two meals.

THURSDAY 29

Morning up very early in order to help Mike off. Pickett goes down with him. He gets off about six o'clock with Mike sleds. Open boxes and begin to get settled. Thermometer 36 below zero. Clear & cold. Partridges and reindeer meat for dinner. Peter, the son of old Ivan whom we met coming up, cooks and takes care of things generally. The quarters are roomy and comfortable, a big Russian oven to keep us warm and a wide shelf for us to sleep on. Ivan in, in the course of the day. Evening write to Beans. Who is sick, read a bad novel by Mrs Gore and turn in.

FRIDAY, NOVEMBER 30, 1866.

Morning 32 below zero. Unback and arrange boxes. Kurilla a good Koyukum Indian brings in slate and puts them up on the beams to lay traps & clothes on which saves a great deal of room. Get a box cover scrape it and put up a shelf for my books & traps which I want to get at constantly. Set up the barometer and get out the thermometer & books. Russian Saturday and get a bath. The Bathhouse is better than the one at Unalakleet but today the stones had got nearly cold so the bath was not as good as usual.



SATURDAY DECEMBER 1

Russian Sunday, Morning 44 below zero least calm. Mornings here commence at 10 o'clock and evenings at 3 o'clock in the afternoon. Skin a small snowbird brought in the other day very much mutilated, by Laxmann. Read a mass of rubbish by Reynolds. My own books are mostly at St. Michael's so that I have nothing to read, and very little day light to do it by. Buy the Captain's rabbit skin blanket of him. Make flapjacks for dinner. Petzka goes off on some wild goose chase and when he comes back the Captain discharges him. Begin to keep the Barometrical records.

SUNDAY 2

Morning 45 below zero, cloudy but calm. Kurilla cooks for us and we get along very well without Petzka. Clear off the floor. Sweep out and get old Zaprashin and with Kurilla calk the cracks in the floor with moss as it is very cold for the feet. Cover the floor with straw and put down some old blankets over it and make it much more comfortable. In the evening go in to see Ivan the Vidarsvik and give him a good pocket knife in exchange for a parkie which he made me a present of today.

MONDAY, DECEMBER 3, 1866.

Morning 52 below zero. Day dark & short. Hang up flags to beautify the room. The captain buys a feather bed and I must follow suit for sleeping with nothing but a blanket between you and the bare boards is played out any longer. Mike is probably at Unalak.

TUESDAY 4

Morning 55 below zero, with first an east and then a west wind. Go outside the fort and look about. The whole country seems to be over shadowed by what I should call a frozen mist or haze. Put up some more hangings, get my pillow covered. Have Ivan the Vidarsvik into dinner.

WEDNESDAY 5

Morning. Cold and clear. 55 below zero. Do nothing vigorously all day. Mrs Laxmann all day on the house. Gas from the peetchka being secreted too soon gives us all severe head aches & we turn in early. Discuss plans with Capt Litchman and lay out to go up the Yukon instead of down next summer with Whymper in a bidarra after the ice breaks up which will give me a good opportunity to study the geology of the country between here & Ft Yukon.

THURSDAY, DECEMBER 6, 1866.

Morning. Still about 25 below - Buy two featherbeds from and Zeyarska for Persides, shot, & 13 dollars - Read "a Naval Lieutenant" by Armstrong, not a bad story, and unpack my bag, and get out some of my shirts, socks &c - and a pair of slippers. At the floor the thermometer stands at freezing and at the height of my shoulder at 40. so we have cold feet all the time which is very disagreeable. Out of everything but bacon in the way of grub but buy six white fish at night which is very bulky indeed.

FRIDAY 7

Morning. a fine warm day only 22 below and so I take the opportunity of getting up my expedition to the coal seam about seven miles below Nulato on the river. Get a small sled and one dog and with Kurilla start down about noon. Run before the dogs all the way and get down in about an hour and a half. Meet Zeyarska and as a heavy snow storm comes on he attempts to persuade me to come back but I conclude to go ahead and risk it. Get a fine camp made and put my big blanket over head to keep off the snow and sleep very warm.

SATURDAY 8

Rise early and get breakfast about three hours before dawn. After breakfast, break camp, and go round to the bluff. Explore the seam thoroughly above, below, and on each side and satisfy myself that it is small and will not pay to work. Very few and poor fossils. Start back and beat the road for the dog, which was very hard work. Kurilla wants to leave the specimen sack of coal but make him keep it on and push through. arrive at night quite tired and all hunked.

SUNDAY, DECEMBER 9, 1866.

Morning. Still warm thermometer seven above Give Larrivon some shot & caps to get me some small birds. In the afternoon two sleds with Yagor & Carpsoff two Russians, arrive from St. Michaels with a letter from Dyers. Ennis - Mr. Bean is very ill, disease not stated, has got a woman, Lukeens daughter and wants me to come down (only 260 miles) and see to him. Ennis wants some of our tea & dogs. Step anoff is down on him and it looks as if he would be out of provisions before spring -

MONDAY 10

Morning, Kurilla goes out after porcupine & rabbits and comes back without any, but a number of rose crowned finches for me. I skin an Arctic grouse and a ruffed grouse or ptarmigan brought in a day or two ago and Larrivon brings me a number of small birds principally whittits, shrikes, and a squirrel and a wood pecker. At this rate I shall do very well this winter. much better than dared to hope. I had no idea so many small birds wintered in this country. nor that game was so plenty.

TUESDAY 11

Morning. About ten o'clock the Russians cry out that Mike is coming. Go out and see the trains about two miles off. About half past ten arrives with a load of flour, bacon, tea and ham. Receive a note from Bean asking me to go down and see him as he has ruptured or strained himself, and is confined to his bed. Ennis was to leave for Norton Bay the 10th Dec. Ev. Smith has got a woman and was up at Ulukuk hunting. Francis stop ped at the coal mine coming up. Evening skin birds

WEDNESDAY, DECEMBER 12, 1866.

Morning. Yagor & 6 of our dogs and four sleds start off early for Takeitsky, to buy fish. This is a large river running nearly parallel with the Yukon for some twelve hundred miles more or less and empties about a hundred and fifty miles below Nulato into the Yukon. A Koyukuk chief from Nukhuka yet comes down and promises to shoot musk on the river and cache it for us to use during our summer explorations. He is now going down to Unalakleet. Evening, skin four birds and seal. Francis is very sulky because I have been to

THURSDAY 13

the coal mine and examined it. He will probably go down and look at it while he is here. There is some trouble, below, between Ennis & his party.

Morning. Make flapjacks & bread with saleratus & cream of Tartar & they both prove rather a failure. The old Koyukuk Tyone in again today.

Nothing of any importance occurs. Discuss the tragedy of Nulato in which Bernard was killed by Larrion's brother, also the bidarshuk and interpreter at the same time, also 100 Nulatosky burned alive by the Koyukuk and Bernard's messenger murdered. The murderer of the bidarshuk killed two Indians last fall

FRIDAY 14

who were out on a hunting expedition with him, for their guns & goods, beat their old mother and threw her on the fire when she reproached him, and afterwards forced her to become his wife. He is now hiding in the mountains and Larrion dares not show his head in the Koyukuk, among the Mahler mints or at Nukhukahyet. Morning. Still warm. 3 above zero.

Put up birds clean skeleton of squirrel and visit sick man in the casino. Evening. Old Ivan from below comes in. Take a good hot bath and feel much cleaner for it. Fled with fish back from Takeitsky.

SATURDAY, DECEMBER 15, 1866.

Morning a little colder. 2 below zero. Old Koyukuk Tyone in with a lot of Indians who hold a council in our room and hold forth at the top of their lungs for an hour or two in a worse than Babelian dialect. Finally clear out to our great relief. All getting ready for Francis & Pickett's trip down tomorrow. They hope to meet Dyer, if not, Pickett will go down to Unalakleet. Francis told K. that he expected I would stay away from the coal mine as he told me at Unalakleet that he intended to do so himself, as if I should not carry out the Colonel's orders because of his desire to outstrip everyone else!

SUNDAY 16

Morning. Rise early. Francis, Pickett and Carpoft with some Indians go down the river about 8 miles.

Snows a little. Get my snow-shoes & gun and go out but see no birds. Visit Barnard's grave. Killed Feb 16, 1851 by the Koyukuk Indians. Evening. Old Ivan the Koyukuk chief whose brother killed him, has a grand blow-out to celebrate the ceasing from mourning of his child who died a year ago. Indians gaily dressed from many parts of the country attend. Dances to four points of the compass and around a feathered pole hung with presents of beads tobacco & wolfskin. Eatables handed round.

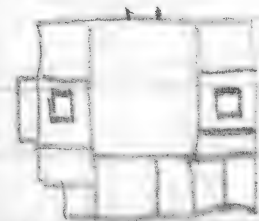
MONDAY 17

Morning. A fox gets into Evans' trap and drops it away, gets into an air hole in the Nulato river and is drowned. I make arrangements with him to get the bones of all the foxes, wolves & bears he may trap while I am here. A good many Indians in the room in the morning till the Captain gets companions & turns them all out. Give Larrion's wife a lot of wipersti skins to make miniature dresses of the various tribes for the Smithsonian. Write on vocabularies in the P.M.

TUESDAY, DECEMBER 18, 1866.

Morning ten below zero beautifully clear and cold.

Ivan gets another fox in his trap. Several Indians in in the morning, but most of them have gone away. Work on my vocabularies. Kurilla make Whympe a drawing table at the window. Have baked white fish for dinner. Ivan and Yagor into dinner.



They leave for Nuicargut day after tomorrow to buy ten sable parkies of a chief there. Evening write up notes about the Mahlemuts. Give old Gaporsha 25 musket balls.

WEDNESDAY 19

Morning. After break fast go out with Kurill and set traps for foxes and rabbits. Set the two fox traps near a dead dog on the river and four small ones in rabbit tracks in the woods. Come back and go into the casery find the Captain and Miska there then into the house. Fix the door which was full of cracks. Have flapjacks for dinner write up notes after dinner. This donothing life is very stupid.

THURSDAY 20

Morning. Directly after breakfast go out with Kurilla and look at the traps but find nothing in them. A crow caught in the bidashiki large fox trap. See some white grouse coming back and point them out to Lavioun.

Yagor in to dinner and after dinner go to work and skin the crow which is a vile nasty job as it was both busy and stinking though quite sound. Set the fox to thaw out preparatory to boiling. Snow in the evening.

FRIDAY, DECEMBER 21, 1866.

Morning. After breakfast go round to look at the traps but find nothing in them. Back just in time to take a good hot steam bath. Afternoon boil the fox and partly clean the bones. A good many Indian women and Lavioun in. Set some reindeer hides and mats to cover the floor. Set two sable bodies for the bones of Lavioun who is like the horseleeches daughter never satisfied. Also a good piece of deer meat which is the first I have had for a good while. Snow & growing cold. Sick Khasi on hand, first known case of g. in the country.

SATURDAY 22

Morning. Reindeer meat for breakfast. Soon after breakfast send Kurill to look at the traps. Set to work and make a pack for the pole we intend to raise Christmas day. Carpoft arrives with the teams. He also from Drans Barrabara bringing everything from below but the key of anothress which some Indians have tapped and let run over the ground. He has made very quick time, only sleeping twice on the road. Evening write on Christmas story. - and talk over trip up the river next spring.

SUNDAY 23

Morning. Getting colder. 37 below zero and West wind. Skin some white grouse which is very chilly business in this cold room. Make some gingerbread and get some fish from the fish trap where there is a good deal to day. Nearly all lock and whitefish. Captain pits off Carpoft for his trip to Koyonukuk for grouse & rabbits for food. Evening write on notes about the Mahlemuts.

MONDAY, DECEMBER 24, 1866.

Morning. Warmer and a little snow -
Spent most of the day in preparing for
Christmas and making four pies two of the na-
tive cranberries & two out of some of Mrs Briggs
preserves of strawberry and a strawberry short
cake the first ever made in the country.
Evening. Work on my vocabularies of Koyuk-
Kunak, with Kuvilla, and write. Captain
K has had a hosaker for several days who was
quite well and is small and inoffensive except
that she washes in the kettle of various slops

TUESDAY 25

Up early in the morning. After breakfast set to
work and make gingerbread, apple dumplings and
sauce, which takes nearly all day. After dark
get Yagor in and sit down to the best dinner
ever eaten in Russian America comprising rein-
deer & vegetable soup, roast grouse, canned peas, turn-
atoes & lamb chops, dumplings, pies, cheese, coffee
tea, gingerbread etc. After supper smoke and then
myself read a mummy story and I a parcel of doggerel
about the little Puritan man, Cadogan, and conclude
the day with a milk punch and conversation.

WEDNESDAY 26

Morning. Quite warm and very pleasant 15 above.
Get Kuvilla out to see the traps who finds the
remains of a rabbit in one but he got away leav-
ing much hair and blood behind. Have fish for
dinner. Captain's hosaker working on my old
coat. Write up notes on the Nulato massacre.
Evening take the meat off of a boiled fox
and two sables, a nasty job well over, write and
turn in.

Long to boiling snow in the evening.

THURSDAY, DECEMBER 27, 1866.

Morning. Get some small birds from Kuvilla
and skin them. Read smoke and write up my
Indian notes and finally finish them for the
present. Take note of the length of the day
which is just three hours, the sun setting
at 1.45 and rising at 10.45. Old Lerive West
in during the day - Turn in early. Dyer
expected but don't come.

FRIDAY 28

Morning. Mike gets out two telegraph poles
for which I have brackets and insulators ready
and we propose to hoist the flags and raise
the poles New Years Day if possible. Take a
good bath and feel much better for it. These
Russian baths are great institutions. After
dinner start a map, from a tracing I took
of Javoshkins map at Unalakleet - Get it
about half done. Yagor in in the evening.

SATURDAY 29

Morning. Still warm, about ten above zero -
Day cloudy & calm. Do nothing all day
vigorously. Read Tennyson and catalogue
and put away some bird skins. Evening skin
two beautiful white grouse, pretty creditably.
I have improved a good deal in bird skin-
ning this winter. Go in to the casino and
see a dance got up by the rabotniks
which is much as usual but more noise
and less light and more clamping than ever.

SUNDAY, DECEMBER 30, 1866.

Morning. Calm and cloudy. Work on and finish first half of chart of the country. Lagoshkin's name are out of date now which is a nuisance.

Leapoff arrives with a load of rabbit skins a bag of grouse and some rabbits and a parki and some sables for the Captain. He went to Kokoyonukuk in four days with Antoshka and made a very fair trip. Expect Joe to tomorrow, will raise two first-telegraph poles New Year's day. Squirtsoff has just finished the poles. Evening get a lot of new words in my vocabulary from Kaul.

MONDAY 31

Morning set to work and make some pies in anticipation of Byers arrival on New Year's day. Get flags poles & brackets ready for raising. Yager in the dinner. No signs of Byer. Evening go into the casarone to get out of the way of the Indian women, and clean the bones of two red foxes & two sables - lit out the old year and drink health happiness & success to the new one and them in.

Plans for the coming year are as follows - Start from Nulato when the ice breaks up, about the 25th of May, and proceed with the Russians to Muklukahyet and hence to Fort Yukon at the junction of the Porcupine & Peily Rivers; in company with and in charge of a party of four Indians and the artist of the Expedition Mr. Fock. Whymper. When arrived remain a week or two and return to Nulato and thence down the Yukon and around by sea to St. Michael's Redoubt to await the coming of the ships about August or September - To remain here till winter after next and then return home for a visit to return to the country if Prof. B. thinks desirable.

MEMORANDA.

Called on

* out.

Mrs. Klinkofström, Dec. 31. Jan 1. 4. Feb. 4. 9. 11. 16. 21. 22. 25. Mar. 2.
Mrs. de Ro, Jan. 1. 3. Feb. 5. 10. 17. 21. 22. Mar. 3. 10. 16. 23. 30. Apr. 5. 9.
Mrs. Hubbard Jan. 1. Feb. 14. Apr. 11. Went to Oakland
Mrs. Low, Jan. 1. 3. 5. Feb. 2. 4. 15. 18. 25. Mar. 5. 8. 14. 24. 25. 29.
Mrs. Raymond, Jan. 1. Feb. 28. June 22.
Miss Bullene, Jan. 1. Feb. 8. 18. 19. Mar. 14.
Mrs. Denison, Jan. 1. 4. Feb. 23.
Mrs. Taylor, Jan. 1. Feb. 23. Mar. 14. 29. May 29. June 11. 4.
Mr. Stebbins, Jan. 1. Feb. 23. 28. Mar. 14. April. 27. May 8. 25. July 6.
Mr. Ames, Jan. 1. 3. 5. Feb. 2. 15. 18. 21. 22. Mar. 9. 14. Apr. 11. 13.
Miss Noyce, Dec. 24. Feb. 11. 18. 25. Mar. 15. April 8. 29. May 13. 20.
Mr. Stearns, Every day at the office and nearly at the home.
Dr. Ayres, Jan. 1. 12. 13. 16. 26. 29. Mch. Apr. 11. 15. 25. May 10. 23.
Dr. Newcomb, Dec. 30. Feb. 17. Mar. 17. 21. 23. Apr. 14. May 5. 12.
Mr. Bacon, Mar. 11. Mr. Loune, Apr. 28.
Mrs. Scammon, Dec. 29. 5. Feb. 2. 7. 11. 19. 21. 25. Mar. 1. 12. 14.
Mr. Bolander, Dec. 30. Jan. 7. Feb. 2. Mar. 15. 20.
Mrs. Bridge, Dec. 20. Jan. 5. Feb. 23. 28. May. 1. June 12. 14.
Mrs. Brackett, Jan. 3. Feb. 6. 15. Mar. 1. Apr. 11. 20. June 5.
Mr. George C. Adams, Feb. 6. Miss King June 26. 29. July 4.
Mrs. Hapgood, Feb. 12. 15. 20. 27. 28. 6 Mar. 15. 17. 20. Apr. 10. 17. 19. 27.
Mrs. Hoyt, 8. 19. 23. Mar. 10. June 26. [29.
Mrs. Lewis, 22. Mar. 15. Apr. 12. 30. May. 15. 14. 22. June 12. 26.
* Mrs. Klinkofström, Mar. 4. 9. 11. 16. 18. 25. 30. Apr. 1. 7. 9. 13. 15. 19. 22. 28.
Edward Basqui, Feb. Mar. 7. [29. May. 16. 26. June 3. 10.
Mrs. Dr. Stillman, Mar. 8. Miss Lucie Coates, May 29. June 11.
Mr. Childs, Mar. 10. Miss Noyce, June 10. 12. 17.
Rev. J. Rowell, Mar. 12. Mrs. Norris, June 17. 26. 29. July. 4.
† Mrs. Low, Apr. 1. 8. 11. 13. 25. May 6. 20. 26. 30. June 3. 10. 11. 18. 23. 14.
Mrs. de Ro, Apr. 13. 21. May 3. 8. 12. 19. 23. 26. June 3. 6. 13. 19. 22. 27.
Mrs. Ritchie, April 26. May 26. Bugbee, May 16.
Miss Plummer, Apr. 30. May 10. 23. June 16. Mrs. Macdonald June 15.

MEMORANDA.

MEMORANDA.

MEMORANDA.

MEMORANDA.

MEMORANDA.

CASH ACCOUNT. JANUARY.

DATE.		RECEIVED.	PAID.
1	On hand,	1 00	
1	Paid Lorquin		50
1	for box,		25
5	Recd from W. H. T. Co.	50 00	
5	4 Paid Lorquin		1 50
5	" Henri Payot on of Chem		4 00
5	" Hyde for dictionary (two vols)		7 00
5	" for car tickets		50
5	" " Trowell and wire net.		1 00
5	" " fruit -		25
6	" " sieves -		1 00
6	" " can		50
8	" " umbrella		2 50
8	" " slippers		1 50
12	" " shoes,		4 00
26	Apples &c,		1 00
30	Hotel bill (2 weeks & 4 days)		20 00
	On hand		5 00
	Total	751 00	751 00

Charged to me on Co's Books

3 doz Photographs

Vest,

Pantaloons,

Buttons, 2 doz

\$ 4 50
9 00
19 50
3 00

CASH ACCOUNT. FEBRUARY.

DATE.		RECEIVED.	PAID.
1.	On hand	5.00	
2.	Paid jobwagon,		50
3.	cigar boxes,		50
4.	Coat buttons,		50
5.	Hair cutting.		25
8.	Gloves -		2.00
"	Bookbinding		2.50
"	Borrowed of Stearns.	5.00	
9.	Paid washbill		2.25
12.	Note paper.		25
13.	Borrowed of Capt. Scammon	20.00	
13.	Paid Lunt - for self & lady,		6.00
13.	Shoes.		4.00
13.	Stockings, (white)		75
14.	Cherry Pectoral		1.00
15.	Rep's to boots,		60
17.	Fare to Oakland and back.		50
17.	Paid Stearns,		25
20.	Straps,		6.00
22.	Paid Lorquin,		50
26.	" for pumice,		15
27.	" " stamps.		30
28.	" " cartickets,		30
	Totals	\$30.00	\$29.10
	Left	29.10	
	On Hand,	90	

CASH ACCOUNT. MARCH.

DATE.		RECEIVED.	PAID.
1	On Hand,	\$0.90	
1	Fruit,		20.
2	Borrowed of Stearns,	5.00	
2	Paid wash bill,		75.
2	Rep's to boots,		2.00.
3	Agassiz' new book -		1.25.
6.	Boxwood cutting,		50.
7	Rec'd on ac for Jan & Feb.	\$100.00	
7	Paid Stearns \$10.00, Scammon \$20.00		\$30.00
7	Paleontology of Cal., Vol. 1.		3.50
7	Towne & Bacon, Printing.		2.50
7	Cartickets		1.50
8	Ames,		25
9	Postage stamps		50
15.	Fare,		40
16.	Lunch,		35.
17.	Pants, reps & alterations.		2.00
20.	Binding, Bosqui.		10.00
21	Fare to Oakland		25
23	" from "		25
24	Paid Lorquin,		2.00.
25	" boots,		15
26	Rec'd of Mr. Low,	10.00	
27	Expenses to, at, and back from Sacramento,		3.50
28	Paid Washbill 75 Vest. 60, Haircutting 50 &c 75		2.60
29.	Eggs &c.		35
30	Cartickets.		1.25
31	Oakland fare & back.		50
	Total paid out -		\$66.55
	" rec'd.	\$115.90	
	On hand,	66.55	
		\$49.35	

CASH ACCOUNT. APRIL.

DATE.		RECEIVED.	PAID.
1	On hand.	\$ 52 50	\$
	Trinity Church		50
2	Glasses, rep'd.		1.50
3	Lorquin, 1.25 ^c Flowers, 50 ^c		1.75
4	Binding 2 vols. Smiv. Miscellanea		4.00
5	Cottonwood		25
7	Flowers.		50
9	Fruit.		25
11	Boots, rep'd.		25
12	Clarke's "Mind in Nature,"		2 15
13	From Mrs. Low.	20 00	
14	Fare to Oakland & return.		50
16	Lunch.		25
17	"		25
18	Boots .75 Socks 1.50		2 25
19	Lunch		20
20	Collars.		50
24	Flowers .50 Lunt's fees, 1.00		1 50
26	Rec'd. Parsaparilla & Capt Scammon	2 00	
26	Brushes.		1 75
26	Washing.		25
26	Reps on Caps.		2 00
27	Photographs.		3.00
27	Lunch.		85
28	Russian Conversation book, & carfare ²⁵		2 75
29	Lunch.		10
30	Rec'd of Hepburn.	1 50	
30	Paid for shoes.		6 00
	On hand,		42 71
	Total.	\$ 76 00	\$ 76 00

CASH ACCOUNT. MAY.

DATE.		RECEIVED.	PAID.
	On hand	\$ 43 45	\$
1	Paid Academy dues to June 1.		8 00
1	" for soap. (to Keith, 1 doz Honey.)		3 00
2	" repairs to uniform & music		3 50
3	Lunch		10
4	Bulwers Lost Tales of Niletus		1 10
5	Photo ^{1.00} fare to Oakland, ⁵⁰ lunch ¹⁵		1 65
5	Lorquin, ²⁵ Stearns, ⁵⁰ rec'd.	50	25
6	Lunch		10
8	Cigare-		25
10	Screwdriver -		50
12	Washing 50 ^c Haircutting 25 ^c		75
15	Paid H. Payot for Chemist 13.50 boots ^{1.25}		14 75
16	Fare to Alameda and back		75
17	Drayage on box to Survey Room		75
18	Rec'd on a/c. (Mar. & April.)	100 00	
18	Paid Paine, note ²⁵ int. ^{4.50} bill ^{5.00}		34 50
19	Car tickets		2 00
19	On Acad. a/c Paid per Stearns	8 00	8 00
21	Paid Van Vleck for cut.		2 50
23	Paid Loun & Bacon for printing		3 25
24	Paid for Greenbacks (14.00)		8 90
25	Lunch		50
26	Pares to Alameda and oakland		2 00
29	Lunt Try on for boots \$ 5.00		4 40
	On hand		50 45
	Totals	161 95	151 95

CASH ACCOUNT. JUNE.

DATE.		RECEIVED.	PAID.
1.	On hand.	\$ 53 00	
1.	Paid Towne and Bacon for printing		5 00
2.	Recd of Dr. Newcomb.	1 50	
2.	Fare to Oakland & back		50
3.	Lent Black. ^{5.00} Fare to Alameda & return.		5 50
4.	Lunch		25
6.	Paid for six overshirts		15 00
6.	" " refitting overcoat		4 00
6.	" binder for two vols.		2 75
6.	" for towels		2 50
6.	Recd of Black	5 00	
7.	Paid for Magatlan Mollusca		90
8.	" " postage stamps		75
9.	" fare to Oakland.		50
10.	" " Alameda & expenses.		1 00
14.	" for binding Magatlan Cat.		2 50
15.	" " Conrad Prime &c.		1 25
16.	" " repairs to pants		65
20.	Lunch.		1 00
21.	on a/c of sword.		5 00
21.	Collars one box paper.		1 50
24.	Expenses and fare to Alameda & Oakland		2 00
25.	Recd of Chappell for May.	50 00	
25.	Paid for belt		7 50
26.	" drawers ^{10.50} & gloves ^{3.00}		13 50
28.	Sword		14 00
28.	Knife ^{7.00} & six silk hkdps ^{2.00}		14 00
29.	Shoes		4 50
30.	Fare to Oakland and hair cutting		75
30.	Lundris petty cash		1 20
	on hand		1 50
	Totals	109 50	109 50

CASH ACCOUNT. JULY.

DATE.		RECEIVED.	PAID.
1.	on hand	1 50	
2.	apples		25
3.	Lunch		25
4.	Borrowed of Capt. Scammon	10 00	
5.	Lunch & bet		1 50
6.	Boils ^{3.50} Fishing lines ^{3.00} Locks ^{2.00}		8 50
7.	Recd on a/c pay to Sept. 1st.	189 00	
	Paid Capt Scammon		10 00
	" Steams for books &c		10 00
	" Acad. dues to July 1.		2 00
	" Payot. Recpt to Steams		20 00
	Razors & trop.		2 25
	Hardware, tacks saw &c.		1 00
	Mag. glass ^{15.00} lunch ²⁵ change ^{5.00}		6 75
	Boots ^{7.00} Drugs &c. ^{3.50} blacking ^{1.50}		11 00
	Shamoi leather ⁵⁰ Books ^{5.00} greens ^{1.00}		16 50
	Carpenter ^{10.00} Collars ^{4.00} socks ^{4.00}		18 00
	Acid ⁵⁰ Lunch ⁵⁰ Silesia ⁴⁰		1 40
	On hand in halves & quarters	\$200 50	\$109 40
	Due from Black.		40 00
	On hand in dimes &c		10 00
	" " gold		6 00
			42 50
	By silver on hand	200 50	207 90
		7 40	
		207 90	207 90
	Total on hand & due,		\$98 50
Lost	Aug 13 bet against arr. before 9 P.M. of 14th inst		2 50
Won	" " " on arriving at 4 "	2 50	
Won	on non arrival of steamer ahead	50	
		.50	\$99.00

CASH ACCOUNT. AUGUST.

DATE.		RECEIVED.	PAID.
	On hand in halves,	\$ 20 00	
	" " " quarters,	20 00	
	" " " double eagles,	40 00	
	Due from Black, Paid Aug 19.	10 00	
	On hand in dimes	5 00	
	Rem. on hand	4 00	
Sept 19	Paid steward for cutting hair		1 00
	September.		
28	Paid Ritchie for watch.		15 00
"	Green for skin boots & drill		2 00
"	Enclose to R.E.C. Stearns on a/c		20 00
"	Pay Dyer for forceps.		5 00
"	" Hop chest for flannel & needles		2 15
30	Lend Woods, (fore man)		2 50
		99 00	47 65
	On hand		51 35
		99 00	99 00
	October	On Hand.	
1.	Lent Ketchum	51 10	20 00
12.	1 deer skin		60
14.	Recd of beads on a/c		
14.	Paid to Co. of for mission paper		3 82
20.	On a/c of Co. parkie, boots.		
	November.		
9	Boots.		1 75
11	Dyer on a/c		50
10	Smith.		10
Dec 2	Ketchum for rabbitskin blanket		10 00
"	Whympur lent		8 00

CASH ACCOUNT. SEPTEMBER.

DATE.		RECEIVED.	PAID.
Dec.		\$	
15.	Recd from Whympur.	3 00	
	On hand.	6 75	
	Due from Whympur.	5 00	
	Arise 10 lbs. Cho Lee tobacco.		6 70
	Paid for Russian tobacco & th		10
	Lent Captain Ketchum previously	20 00	
	Against which have drawn		14 80
1867	Credit on goatskin parkie	9 00	
Jan 12	Beads (paid Ivan)		1 35
	Paid for tea to Andrea		1 25
28	" for drill to Ivan		50
	" " more beads - small		50
	" " Yagor for work -		2 00
	" " Pickett in silver -		1 50
Feb 15	Recd from Whympur		6 70
	Paid Yagor for work		60
Apr. 10	On a/c of Ivan \$3.36 from store		

CASH ACCOUNT. OCTOBER.

[illegible]

CASH ACCOUNT. NOVEMBER.

CASH ACCOUNT		RECEIVED.	PAID.
DATE.			
Nov. 22	Washing -		
	Previously about 5 doz.		
Apr 10	1 dozen (Loan)	60	
May 5	9 pieces Loan -	45	
May 10	10 "	50	
May 22	8 "	40	

CASH ACCOUNT. DECEMBER.

[illegible]

Letters written in.

DATE.	NAME.	DOLLS.	CTS.
Jan 4	And. Garrett.	7.	Baird, Torrey. Mother. 24/
12	Stearns.		Sadie.
	Total	5.	
RECEIVABLE.			
5	Mother. nov. 30.	(27)	Mother and Sadie Dec. 11. (27)
	Total	4.	Stearns Jan

Letters written
BILLS PAYABLE. FEBRUARY.

DATE.	NAME.	DOLLS.	CTS.
7	Prof. Baird - Mother. 11. Two Valentines. 15 H.W. Elliott.		
16	Mother. Miss Merriam. 19. Ed. Commonwealth.		
20	Dr. Canfield. 24. Baird. A.M. Edwards. Mother.		
	Total 12.		
	" since Jan 1 = 18.		

RECEIVABLE.

Feb. 2.	(Papers Mother & Collyer.) Baird (9647) Jan 7. Miss Merriam D. 20		
2.	Robt. Collyer Jan 2. Mrs. Kennicott. Dec. 30. Padie Dec 28.		
2.	Mother Dec. 20. Mother & S. Jan 9. Henry Elliott. Dec 20.		
6.	Prof. Bannister (Jan 9.) Mrs. Nealey. Jan 8. S. C. Clark. Jan 5.		
12	Baird (9697, Jan. 16.) Miss Merriam (Jan. 15.) Grandma Nealey (Jan 10)		
12	Aunt Fannie (Dec. 28.) Ed. Cope. (Jan. 7.) Tom Newell (Jan 13) Elliott (Jan 16)		
13	H.W. Elliott. (Jan 9) 16. Fredk. Valley. Vic.		
23	D. Thompson (Jan 27.) A.M. Edwards (Jan 31) Mother (Jan 21)		
23	Prof. Baird (Jan 26) 9748) Miss Langford (Jan 19) & pamph.		
	Total 25		
	" since Jan 1. 29.		

Letters written
BILLS PAYABLE. MARCH.

DATE.	NAME.	DOLLS.	CTS.
3	Mother (H.4) Dr. Gould (H.2nd) recd see below.		
Mar. 7	Mother. 197 Prof. Baird 198. Stimpson 199.		
9.	Uncle William 200 Grandma Dall 201. Sam. C. Clarke 202		
9.	Tommy Newell 203 Rev. S.W. Bush 204. & 21 pamphlets.		
12.	Mother 204 14th. Dr. Cooper 205. 15. Father (206) 16. Mother 207		
16.	Geo. E. Walker. 17. Thompson. Mr. Collyer. 210		
17	Kennicott. Henry Elliott. Theobald. 213		
28	Mother. Prof. Baird.		
	Total. 21.		
	" since Jan 1 = 39.		

RECEIVABLE.

Mar. 3	Mother (H.4.) Dr. Gould (H.2) 7. Prof. Baird (Feb. 3. 9794.)		
7	Prof Baird (Feb. 7. 9836.) Dr. Stimpson (Feb. 9.) Padie (Feb. 8.)		
14	Grandma Dall (Jan. 30.) Recd package of books from S. J.		
14.	Dr. Cooper. (Mar. 13.) 15. Mother (Feb. 18.) Mother (Feb. 20.)		
15	Prof. Baird (Feb. 15.) 19. Prof Henry (for Mrs Bridges)		
19.	Dr Cooper. (M. 17.) Dr. G. P. Kirtland (Feb. 21.)		
26	Dr Cooper (M.) Miss Cleveland (Feb 17) Sillimans Journal		
26	Pamphlet. Ltm. 27. 28. Dr. Cooper. (M. 26.) Prof Dall		
	Total. 21		
	" since Jan 1. = 50.		

BILLS PAYABLE. APRIL.

DATE.	NAME.	DOLLS.	CTS.
	Letters written.		
Ap. 7.	Prof. Baird, Dr. J. G. Cooper.		
8.	Bulletin, Alta. Dr. A. A. Gould, Prof. Dana		
8	Mother.		
24	Mother. Prof. S. F. Baird, Geo. E. Walker.		
25	Prof Baird		
26	Miss Merriam, Miss Cleveland,		
	Total 13		
	" since Jan 1. 52.		

RECEIVABLE.

Ap. 3	Miss Emma L. Napgood. (2)	4. Mother (Mar. 7.)	Prof. Baird ✓
" 12	Aunt Sarah. (M. 13.)	13. Lizzie Merriam (Mar. 15)	(Mar 7)
" 13	Ladie (Mar. 18.)	17. Geo. E. Walker (Mar 18)	
" 23	Prof. Baird (Mar. 25)	Ulke, Photos., Henry Elliott (Mar. 30.)	
" 24	Mother (Mar. 25.)		
	Total 10		
	Since Jan 1. 60.		

Letters sent - BILLS PAYABLE. MAY.

DATE.	NAME.	DOLLS.	CTS.
2	Dr. Canfield. 3rd. Dr. Cooper. 5th. Baird (receipt.		
7	Cooper. 7. Baird. 7. Cooper M.S.S. Mother. Ladie		
7	Miss. Merriam. 9. P. P. Carpenter, Father. Theobald		
9	Mother. 13 Geo. E. Walker. 14. Canfield.		
17	Mother. 4 Geo. C. Walker. Prof. Baird.		
26	Miss Napgood. incl. ph. 28. Canfield incl. paper &c.		
29	Geo E. Walker, Stimpson, Fryan, incl 5.00, Baird		
29	Nellie Wilde. Mother. Papers to Stimpson, Fryan & Gould		
29	Boston Soc. Anthony Chicago Acad. Canfield		
	Total 33.		
	Since Jan 1. 85.		

RECEIVABLE.

3	Mother (Apr 7.)	Miss Merriam (Apr. 9)	Father (Feb. 22)
3	A. M. Edwards. (Apr. 4)	Prof. Baird. (Apr. 6th)	Books.
7	Baird Cooper. M.S.S. 9	Canfield 7	Mother. (Apr 9.)
12	Geo. E. Walker. (Ap 16)	Mother (Apr. 20)	
18	Mr. Macondray. 19. Ellen. M. Wilde (Ap. 10.)		
23	Prof Baird (Ap. 29.)	Canfield (May 19)	Ladie (ap. 29.)
23	Mother (ap. 29.)	27. Cooper. M.S.S. Letter.	
	Total 17.		
	Since Jan 1. 77.		

Letters written
BILLS PAYABLE. JUNE.

DATE.	NAME.	DOLLS.	CTS.
7.	P. P. Carpenter. Baird, Tryon, & copies of papers.		
8.	Cooper. M. S. S. Stimpson M. S. S. & letter. Gould M. S. S. & letter		
8.	Tryon M. S. S. & letter. Geo. L. Walker, Horn, Edwards.		
8.	Mark Heale p. Sadie. Brewer p. Gray. & p.		
8.	Putnam & p. Kirtland & p. Cassin & p. Cor. Secy B. S. N. H.		
8.	Forrey & p. Bannister & p. Bryant & p. Dana & p.		
8.	Agassiz & p. Wyman & p. Phil. Acad. & p. Seaman		
8.	Blatchford. Thompson. Binney p. Hather Hestad		
8.	Papers to Verrill. Packard. Stimpson. Scudder, Gill		
8.	Prime, Mason, Gould, Cope, Hyatt, Wm. Dall		
8.	Collyer, Newman. Ellen Wilde, A. M. Cleveland.		
8.	Isaac Lea. N. Orl. Acad. Sci. Libr. Harv. Coll. Foster		
8.	Morse, Anthony, Bolles, Crosse, Cpr. Dr. Wilson.		
8.	J. E. Gray, Moquin Tandon. Mother, 15. Baird,		
15.	Walker, Stimpson. 16. Carpenter, mother. Tryon.		

15 Cooper. 21* RECEIVABLE.

June 2	Prof. Baird, (May 7.) 4. Gill. Journal from Prof. Dana		
4	Canfield (June 1st.) 5 Mother & Sadie (May 3)		
7	Prof. J. S. Dana (May 10.) 19. Cooper. M. S. S.		
23	Mother (May 21) Mother (May 31) Prof. Baird (May 28)		
23	Miss Merriam (May 29) 29 Cooper (June 26)		

* Written continued
19 Cooper. 21. Prof. Whitney. 23. Miss Merriam.
29 Carpenter. Putnam, Walker, Gould
29 Baird, Mother. Hather 30. Mrs Kennicott.

or sent
Total written 79. - of which 30 were papers.
since Jan 1. - 164 -
Reed - 11 -
Since Jan 1. - 88 -

BILLS PAYABLE. JULY.

DATE.	NAME.	DOLLS.	CTS.
1	G. N. Mumford, 3rd, Dr. P. Mueller.		
6	Prof S. F. Baird, Mother. G. Walker.		
9	Carpenter (via Jewett.) Canfield.		
29	Kennicott, 31 Ellen m Wilde. Father.		
	Total 10		
	Since Jan 1. 174.		

5. 1. 1. 21

RECEIVABLE.

2	A. W. Elliott. (May 24.) 6. Prof Baird (June 3 & 10)		
6	Mother & Sadie (June 1.) Miss Merriam (June 1)		
	Total 4		
	Since Jan 1. 92.		

Letters written
BILLS PAYABLE. AUGUST.

DATE.	NAME.	DOLLS.	CTS.
-------	-------	--------	------

2 Miss Merriam.
Since Jan. 1. 175.
Recd " " 92.

RECEIVABLE.

Letters written
BILLS PAYABLE. SEPTEMBER.

DATE.	NAME.	DOLLS.	CTS.
-------	-------	--------	------

5 R. Kennicott. Saml Hubbard (Per Ryder).
18 C. L. Low. Mother, Stearns & Baird (Per Manuella
(and also Merriam, Wilde & father)
25 Miss de Ro. Doctor A. A. Gould. Edith King.
26 Geo C. Walker. Prof. Baird. Mother. Bischoff
26 Dr. Fisher. Phil. Acad. Sci. Chi. Acad. Sci. Essex Ins.
26 Boston Soc. N. Hist. Dr Bryant. Prof. Dana.
26 Verrill. Wyman. Putnam. Cope. Prof. Agassiz.
26 Dr. Torrey. Mr. Collyer. A. Hyatt. J. W. Foster.
27 Hubbard. Baird. Stearns. Chappel.
28 Low. Stearns. Pease. Mrs. Kennicott. J. Y. Scam-
28 mon. Mr. Mumford.
29 S. Merriam. L. Newell.
Since Sept. 1st 42, Sept. Jan. let 217.
Recd " " 4, " " 96.

RECEIVABLE.

19. (Per Evelyn Wood from Victoria) Aunt Sarah. Je. 18.
27. By way of Fort Yukon enclosed to Kennicott
27 and brought down by Ketchum. Mother 2
27 Mrs. Kennicott 1. Total 4.

Letters written
BILLS PAYABLE. OCTOBER.

DATE.	NAME.	Written at	DOLLS.	CTS.
5.	R. Caldwell. Grantley Harb.	Unalakleet		
18	Jas. M. Bean. St. Michaels.	Unalakleet		
31	Jas. J. Dyer. Unalakleet.	New Ulukook.		
November				
30	Jas. M. Bean. Michaelovski.	Nulato		
December				
15	Jas. M. Bean. St. Michaels	Nulato		
14	H. West daht. Unalakleet.	Nulato		
15	P. J. Dyer. Unalakleet.	Nulato		
Since Oct. 1. 4 Since Jan 1. - 224.-				
Rec'd " 1 " " - 97.-				
April 24. Denison.				

RECEIVABLE.

Dec	Jas. M. Bean. St. Michaels.	Nulato
10	Denison. Unalakleet	Nulato
Apr 24	Wrote	
1867	Father. Mar. Mother & Prof Baird	
Jan 1	Via Ft. Yukon.	
April 3	Denison. Unalakleet	Nulato.
" 24	Denison	"
24	Ennis	"

Washington June, 30. 1866.
To Col. Chas. S. Bulkeley, Behring Straits.

Dispatch received. The following is a copy of circular from Dr. Stimpson. The Chicago Academy of Sciences was burned at one o'clock, the morning of June 7th. The losses are great but by no means such as to affect the utility of the institution, the regular operations of which will be resumed as soon as possible. It is impracticable at the present time to estimate with any degree of accuracy, the damage caused by the fire to the collections and other property of the Institution. As near as now can be ascertained the present condition is as follows. About half the animals and birds, nearly all the skulls &c. will be saved. The extensive collection of birds eggs and nests was entirely destroyed. Fishes and reptiles saved. Insects all destroyed with the exception of the lepidoptera. Dried Crustacea and Echinodermata destroyed. Shells and fossils in great part saved. Very singularly and fortunately the alcoholic collection contained in about two thousand jars has escaped. The Herbarium with the exception of the series of plants of the North Pacific Exploring Expedition has been saved. The library is greatly damaged by water but most of the books will be saved by careful drying and rebinding. The plates of the forth coming volume of the Transactions, twenty in number, were much injured and some of the edition may have to be reprinted. The publication of the volume will not however be greatly delayed.

rec'd July 10th 1866.

Spencer F. Baird

Asst Secy S. I.

1866.

New Years Day finds me in San Francisco quartered on board the bark Golden Gate W.U. Tel. Exp. Jan 9 sail on the way away (sehr) Capt. Jasslyn for Monterey. 11th arrive at Mty. 30th sail for San Francisco, arrive Feb 1. May 2. Clara Bell sailed for Petropavlovsk. and afterward put in to Honolulu leaky. June 6th Palmetto sailed for Petropavlovsk. June 8. Rutgers sailed for Puget Sound and Plover Bay. June 1. promoted to a first Lieutenantcy. June 21. Onward sailed for Petrop. via Via Victoria. June 23. Col. Bulkley in the Wright sailed for Petropavlovsk direct. July 10. Col. Wicker in the Gate sailed for Plover Bay direct. July 11. at 1.30 P.M. Ship Nightingale sailed for Plover Bay, myself on board. Capt. Scammon in charge. July 8. Rutgers sails from Puget Sound for Plover Bay. Aug 5. Nightingale clears the Omimak Pass. Aug. 13. Rutgers arrives at Plover Bay. Aug. 14. Nightingale anchors in Plover Bay. Aug 18. Wright arrives in Petrop Plover Bay having been to Petrop. and Anadyr finding all well and prospects sanguine. Aug. 27. Gate arrives at Plover Bay, all well. Sept. 11. Rutgers with Libby, Caldwell and party sail for Grantley Harbor. Sept 12. Golden Gate with Capt. Dick Bush sail for Anadyr River. Sept. 13 Steamer Wright sails for St. Michaels. Sept 19 Bark Evelyn Wood arrives at Plover Bay. Sept 20 Nightingale & myself sail for St. Michaels. Sept. 24. Anchor off. St. Michaels near Egg D. Sept 25. 41st news of Kennicotts untimely death and am appointed Surgeon in charge of the Youkon Division. and Chief of Sci. Corps. Sept. 30. go ashore at St. Michaels R. A. Oct. 1 Nightingale sails for Plover Bay.

Letters of importance. Synopsis.

Prof. S. F. Baird.

Jan. 7. Per Str. of 10th. Going to Monterey. not had time to copy notes, about shells given to Dr. N. Hyde disch. Doubts as to the future. Want 4ills fish papers, and Carpenters Reps very much, will pay for them if you Jan. 7. Dr. Torrey.

do. About Mrs Bridges book &c. going to Monterey. Brothers & happy NY. Jan 7 Mother.

Enclosing four photos, speaking of Wendt & Monterey trip Feb. 7. Mother. enclosing 4 photos. speaking of ball Monterey and brothers -

Feb. 7 Prof. Baird.

Have been successful in Monterey, shall use leisure on the alcoholic specimens. Ounga unapproachable this year. Have had an interview with the Col. and proposed to take Elliott and Petropaulski. by the first vessel - B. uncertain. Elliott independent. Whale jaws disposed of. Made and enclose notes on Cala. Gray whale.

Ayres fishes, must besent; shall pick out types. Canfield's misanthropic. Can't get Carpenters Reps. Sorry about Chi. Acad. Sci. Please write often.

Feb. 19. Ed. Commonwealth. Desiring him to exclude from publication any further communications in regard to the Ex. rec'd from others and purporting to be derived from me.

Feb. 24. Prof. Baird.

Cal Acad. oxydised. Bridges plants chilian. Shall write to the Entom. Soc about Mrs. B's beetles. Boxes numbered hitherto & catalogue enclosed. Horns lost in Wright. Shall send Ayres fish by this next steamer. Also notes, drawings, sketches, baleen &c. Haven't heard from Walker or Stw. Harry up books. Conway & Wicker graces. List of outfit handed in and enclosed. Try Ounalaschka, but doubt the feasibility this year. Elliott willing. Uncertainty harassing. Enclose Ayres catalogue of fish.

Mar. 7. Mother encl. photos 25-6-7-9-30- = 20cins
Capt. Lantmann, Dearborn & Bosqui. ? about desk
& Dr. Bellows. Don't publish and reasons. Others.

Mar. 28. Mother, enclosing photos of Wendt & Field.
Prof. Baird. All going well with outfit, particu-
lars in next. Punch up the Col. about fine shot.

Apr. 8. Mother, Visit to Sacramento, Details
of business & M. D. Photos of Fisher, Dow
and two of my own.

April 7. Prof. Baird. Acknowledge kindness. My appoint-
ment as Acting Surgeon & work as such. List of vessels.
Trouble about Henry Elliott, broken promises &c. Am
working at Coopers snails, Mt. shells &c. Conifers seeds
& Mrs Bridges. Moving Cal. Acad. Visit to Sacramento
and Geol. Survey. Detachment of our Rev. officers.
Acad. reps & fish. to be sent on to S. I. List of outfit
in my next. No news from Chicago. Seen Marcy.
Olga's accident. Do something for Canfield.

" 24. Mother. Sorry for sickness in family. In
forbearance &c. About desk. About letter to Slack
About nitroglycerine explosion. About business in
hand Uncle John and medical degree. Six pages.

" 24. Prof. Baird. ^{ap. 11.} Rev. B. says we leave May 1. Don't
think so, but ready to pledge my self to the work. Ap. 24
unfinished because of explosion. Have heard at last from Walker
who complains of not hearing from me. Enclose bills & Henry
Elliott's letter by R. Pope who returns disgusted with Canadians &c.
Comments of Conway & Elliott. Your telegram did the business.

Mumford come out. Col's habits. Sci. is apparently secured & a
two years supply. Shall telegraph when we leave. ? June 15th.

" 25. Prof. Baird. Have rec'd assurances of a post on
the Yukon or a place in a party for rescue of R. if neces-
sary. Davison and Glover ordered off. Carpenters Rep. mutilated.

Sent copy of Memorial on Bridges to
other papers x

Prof. Wyman.

Prof. Bannister.

Dr. Gould.

Mother.

Miss Wilde.

Mr. Collyer.

Prof. John Torrey.

Prof. E. D. Cope.

Alpheus Hyatt.

J. W. Putnam.

A. E. Verrill.

Prof. Asa Gray.

Boston Soc. of Nat. Hist.

Dr. Stimpson.

Grandma Dall.

Nealey.

Uncle Austin.

Tom Newell.

Miss Merriam.

Cleveland.

Mrs. Kennicott.

Miss Anne Newman.

Mrs. Nealey.

Theobald.

Father.

x Tryon.

Chicago Acad. Sci.

+ Anthony.

+ Library of Harvard College.

+ Phila. Acad. Sci.

British Museum (Prof. J. E. Gray.)

Letters of importance.

Apr. 26. Geo. C. Walker, Chicago. (24) Details of correspondence with Chicago for this winter. Felt mad because my long letter was unnoticed. Was busy in Dec - packing S. I. colls & resting - Jan - three weeks at Mt. - Feb - working over mty colls with Cooper - Mar. - on Sci. outfit for '66. April - on Medical work. Fisher expected by next steamer. Reasons for not writing, annoyances, &c. Corres. constantly with Baird. Have carried all my points. Destination & plans for season still? but will write in full before we leave. Enclose copy of Sci. outfit bills. Want shot and gun. If can't get or afford it shall draw on J. Y. Seammon for not more than \$50. gold and send note @ 10%. Regard it as important. (25) Have applied to Col. Wicker and rec'd assurances of post on Youkon or position in or comdg a party for R. relief if doubt exist. Reasons, 1st Mendenhall, don't appreciate Science. Capt S. may resign. 2d of his past services. Wright's character. As trouble, is consulting low officers & associates. Anxious about R. shall be in position to help him, as L. M. seems the only way to bring the Sci. work out triumphant. Blue prospect but never say die. Excuse illegible letter Write if possible. Don't be offended at my frankness.

May 8. Prof. Baird. Little news. Lagman reports June 15. Hence we are not likely to go sooner. Dr. Horn here & bound East soon. King here. Troubles in Arizona & Cal. Acad. much improved Medical work done. Am working on Cal. shells part. land shells also getting my Monterey notes ready for Cpr. He ought to have copies when they can be obtained by students. Ready to pay & he owes it to collectors who have sent him everything, to have his works accessible. The Cal. Acad. pd \$118.00 for his Latin. = for Engl \$46.00. Acad. can't afford his prejudices. He has never sent either copies or types, which were recognizable. Am. worked & Engl. rec'd benefits. ready to pay, but proofs or copies only sent - are aggravating. Speak for all West

coast - conchologists not my self. Prof. Whitney agrees. not my jealousy. As long as he works as now, there will be plenty of work left for collectors on the ground. Ready & shall help him all I can. while disagreeing. Signed a receipt for Sci. outfit Thanks for pamphlets. Elliott coming Col. says. Regards to Ulke May 17. Geo. C. Walker enclosing Rep. on Med. Dept. note to Fisher. Orders to Captains, and directions for collecting. No news. Nothing certain. Rec'd copy of Chi. Acad. Sci. hope for more for R. Ship left for Petropavlovsk.

May 17. Baird. sent the same. Short of S. I. instructions for collecting. Little hope of seeing Elliott. Have published & sent or will send notes. Col. Acad. and what Prof. Whitney, Stearns and my self have done for it.

May 29. Baird. More stir in Exp. affairs. Yours of Apr. 9. rec'd. Col. B says he leaves June 3. Doubtful. He telegraphed East that he and Anaseof go to Petropavlovsk direct and thence to Behring Strait. Clara Bell gone. Palmetto and Rutgers nearly ready. Shenanigan in regard to purchases by W. & W. Vessels detained for want of stores. Col. has been very liberal, approved my roving commission of which a copy follows. Shall go on the Nightingale, may go in 3 weeks. Whether Elliott joins me, whether I stay all winter or not and where are questions for time and circumstances to determine. If I find a good collecting ground I may stay all winter. Shall try for two barometers Wrote to Walker about shot and draft on Seammon. Camp. note enclosed. About Duck and Indian. Further news by mail before we go. Each vessel fitted with Sci. outfit.

June 8. Prof. Baird. Send shells &c by Str. 10th for Cpr. Get off next week. No signs of Elliott. A Bold Stroke for a gun. Prospect of going to Youkon Anadyr & Petropavlovsk. Whitney & survey fare well dinner, very pleasant. Heard from Dana that Brazil party is disbanded. Acad prospering. R. Rep. encl.

15. Geo. E. Walker. I have rec'd. through the kindness of Prof. Baird a telegram, stating that a portion of the Academy's collection I can only conjecture how large had been destroyed by fire. Tell our friends of the Chicago Academy that this news sad and depressing as it ^{is} ^{for the moment} will only encourage us to strain every muscle to replace what we might otherwise only have duplicated ^{granting us health strength & opportunity} and we shall return heavily laden from the North, expecting to greet a full fledged Phoenix in Chicago!

15. Prof. Baird. Almost the same. (see opp page bottom)

29. " Not yet off. Col. Knox & Anasof left on steamer 23rd. Have sent two telegrams for particulars of fire, but as wire has been down no news reached. N.Y. Lyceum also gone up. Shall get off before July 4th. Capt. Scammon helping with might and main. Enclose slip from Alta about Chi. Acad. Sci. Col. Jewett here but not strong enough for field work. Should like to make a dash at the Cal shells when I get back. Not many shells up North. Shall do most on botany, fish and bones. Sorry not to have Elliott. Go direct to Yukon mouth & bring up at Petropavlovsk.

28. Geo. E. Walker. Enclosing Report of Cal. ac. meeting & resolutions &c. also slip from Alta. Speak of telegrams. Offers of Newcomb and Jewett. Business portion of the Acad. Chi. should be done up brown. Ask for corresponding memberships for Stearns and myself. Notifications to Scammon and Bulkley never sent.

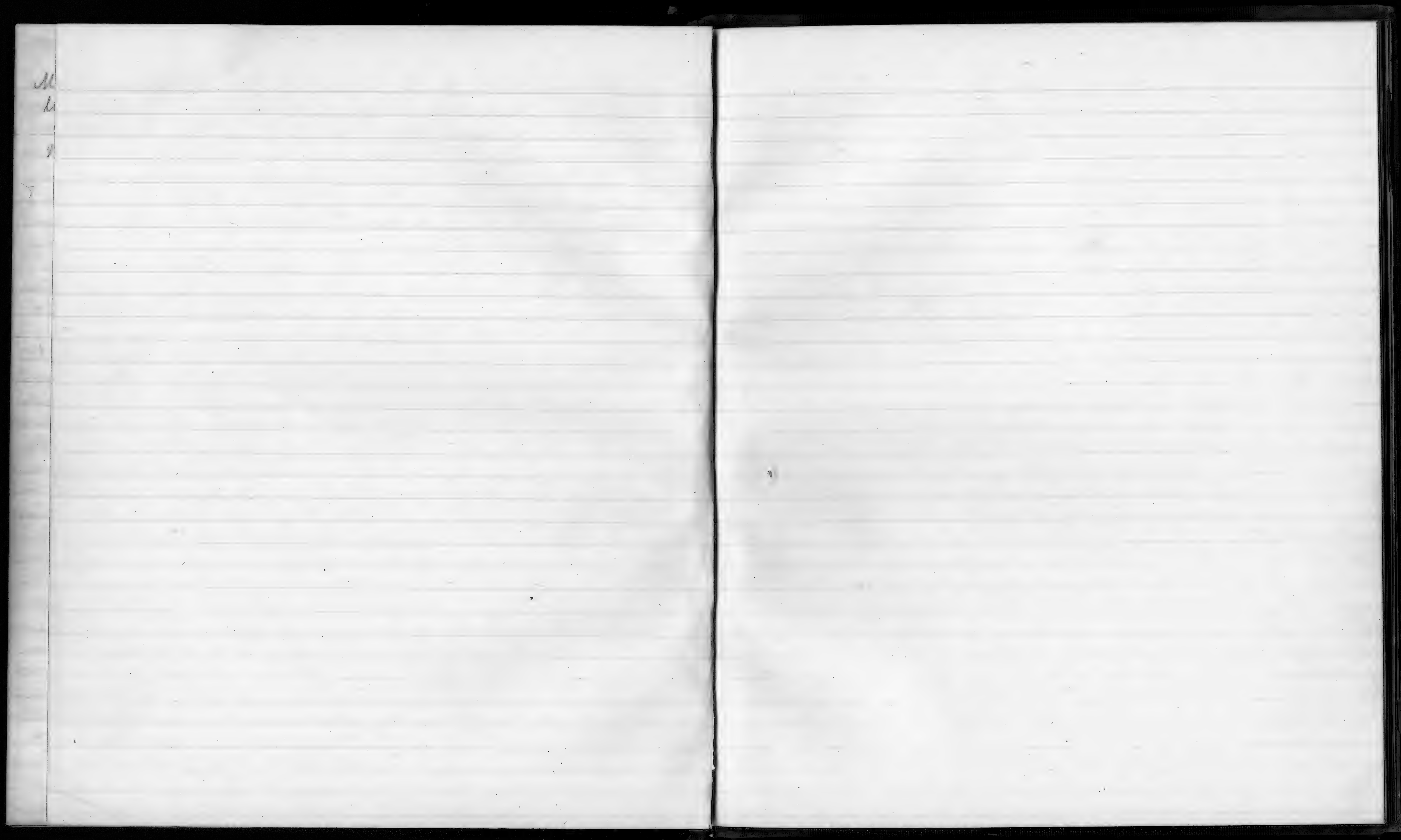
July 6. 1866. Prof. Baird. Enclosing copy of Elliott's letter, and of my note to Mr. Mumford. Orders

are to report on board Nightingale ready for sea Saturday P.M. Very anxious to get off. Particulars of skull found lately in the auriferous gravel deposits. Shall work hard for the cause. Dr. Hillebrand here. Col. Jewett may possibly soon return. Sent orders (see book) to Elliott some weeks since. Grand Ethnological Exhibition in Calcutta 2 years hence. July 9. Walker. Chicago. Off tomorrow. No news yet rec'd of fire. Dr. Hillebrand has been here & endeavors to interest him and Ferdinand Muller of Australia in the Acad. Fisher and the Caldwell; regards to friends &c.

July 8. F. W. Wicker. Having been notified that Robt. Caldwell is or will be transferred to the Golden Gate in the capacity of Hospital Steward, notwithstanding the order in Col. Bulkley's own hand writing assigning him to duty with me, and where as another equally competent man (Dixon) remains unemployed; therefore while acquiescing in your decision as required by discipline and good order, I must respectfully protest against any such transfer or change, as unnecessary, unauthorized, and in direct conflict with the wishes and orders of Col. Bulkley as expressed in his letter to me, which I am ready to present for examination at any time.

June 15 Prof. Baird. Your telegram rec'd last night, 4 days coming. Have telegraphed for more particulars. Hope as usual it is exaggerated. My own library & coll. have probably gone. It will only nerve us to greater exertions to replace, what before we might only have duplicated. Send Alta slip with a/c of Pope his underscored. also sketch of operculum Amphissa varicolor D. please send Cpr. Also by mail type of N. chinensis Dall. drawing and des. sent Tryon. Geol. Survey all gone into the field. S. Cal oil a small success. Gabb just got back. Scammon disgusted. B wants to be the great IAM. I represent the honor to be gained by ex. Yukon mouth. He is very anxious to run on Cal. coast & study whales. Ayres not now necessary? He seems to be getting off. Have got instruments & hope to measure some Kam. volcanoes.

May 7. To Prof Baird by Rt. Yonkers. What I have done & will
try to do & where I am going this summer. Enclose
letters to father & mother in one envelope.
May 20. Write to Prince Makouloff by Leebyer for
orders to the bedashiks to assist me in collecting.
May 21. Write to Capt Everett Smith enclosing map
of Melville and notes on breakup of ice.



Ma
his
C
M
or
7

Continued.

Tuesday, January 1, 1867.

Morning. No signs of Dyer today. He has probably gone to the Redoubt for another load. After breakfast raise two telegraph poles, brackets & insulators complete, the first in the country. Fire 36 guns and one gun by the Russians, a small cannon. Raise the U.S. ensign, the Masonic flag, the telegraph signal flag and the flag of the Scientific Corps on the first pole which is surmounted by a flagstaff and weather cock.

Have tea at noon. put away some specimens, have a good dinner. Yager invited and after dinner write on notes and diary, read smoke. Turn in.

Wednesday Jan 2nd.

Quite cold, 22 below zero. Go out in my shirt & drawers without a hat to look at the thermometer, across the yard and come back rather chilly. About noon Ivan the Idianshik gets back from three days this side of Newicaquit and brings 5 or 6 sables. Clean ten rabbit skulls & one skeleton. Catch a crow in the footrop.

Thursday Jan 3rd.

Morning, while still in bed, Dyer and Pickett arrive with empty sleds - They left Unalakleet two days after Lebristmas, and found two feet of snow over the old track, were obliged to cache almost everything on the road. Emis was to start Jan 1st. for Gogletalik with most of his men. Smith is to explore between Saactalik and Transbarabara. I will go on to Grant's Harbor and see Libby who has built 14 miles of line complete & built a station beside his winter quarters. Hear that I intend meddling in the medical affairs of my district & write a sharp letter to him on the subject to send down by Mike who starts pretty fast. Beane is well but acted queerly a

but sending up my things - refusing to let them go unless I come after them. If these fellows keep meddling in my business they will catch a Tartar. Francis is a bill. He is going to attempt a survey of a coal mine 300 miles below Contoy. I tell him no worse than to look to mining at the one I looked at - upon his own representations that it is good. Turn in early with a bad headache.

Friday Jan 4.

Morning. Capt. K. proposes to go down to the Redoubt on business with Mike. Give him letter for Pendeleben and Ennis, and a list of things to bring up from the fort. Get two good white grouse, two wood pecker which I skin. Some squirrel skins from Ivan, & a sable from Pickett.

Saturday Jan 5.

Morning mild and snowing. Capt. Ketchum, Mike and Carleoff with four sleds & Indians leave for Unalakleet. Russians Christmas. Skin a raven two grouse & put away a lot of specimens.

Evening a dance in the casino. Only Dyer, W.P. besides myself here. Have a bad ulcerated ear throat & cough.

Sunday Jan 6.

Morning, cloudy. Start off with Pickett for the place where the blacksmith cuts the birch. Start on snowshoes across the river two miles and up the opposite bank through the woods three miles through deep snow when not finding any signs of him conclude to turn back which we do and after reaching the river, he overtakes us and has no birch, and has broken his sled. Reach the fort in time for a very good dinner to which Ivan and Yagor are invited.

Monday Jan 7, 1867.

Morning. Still warm. Read Ferryson and don't fully appreciate in memoriam. Evening work on rabbit bones which smell badly. Turn in early.

Tuesday Jan 8.

Morning. Walk down below the Mulato river to find my lappas and returning find old Yakoutsk has brought them up. Pickett goes out with Kurill to look for birch and find one tree fit to make the Hudson Bay sleds. Philca brings me in a new and beautiful bird. Evening pack away and catalogue 21 rabbit bones. Turn in late.

Wednesday Jan 9.

Morning. Skin birds and work at scientific work all day and evening. Larrison gets back from Kokoyunkuk. Yagor gives me some wolverine feet. Pickett goes out gathering in a birch for sleds.

Thursday Jan 10.

Putka brings me in eight other red birds, and I work over them and put away some other specimens. Larrison. The old account is back from Kokoyunkuk with his wife and boy.

Friday Jan 11.

Larrison in from morning till night, buy a sable from him. Skin birds and work at specimens all day. Tomorrow is New Years Day of the Russians. Get a bath and get on line at making me a worka fire bag. Day cold & snowing.

Saturday Jan 12.

Morning, clear and cold - 25. Get my fire bag finished. Evening skin four or five birds. Forty five birds of thirteen species since my arrival. Fine aurora for the second time this winter.

Sunday Jan 13.

Morning. Cold -45. Do nothing all day energetically. Evening skin three poor specimens of arctic grouse and go in to the bidarshuks and see his wife, who has conversation on the grain, of no account. Fine Aurora & very cold

Monday Jan 14.

Very Cold -54. Write up notes and read. Evening skin a wood pecker. Fine Aurora. Whympur makes an abortive attempt to steam some dried apples

Tuesday Jan 15

Still cold. -46. Morning pack my boxes of birds and fossils. Casine on fire but soon put out. Pickett at work on the Fort Yukon sleds. Buy a squirrel of Larrison for 4 bullets & caps. He wants more but concludes to keep what he has got. Somebody ought to knock this old witch on the head

Wednesday Jan 16

Morning. Milder -24. Saturday out of town as the snow is so deep. Larrison brings in two boxes of seal meat. Read & write Medical Rep.

Thursday Jan 17.

Morning. Colder -35. Ivan the Idiot gets back from Newcargut with the news that the Indians are all starving up there, and with 500 sables. Larrison comes in with three sables and asks 2 lbs of shot for them and is of course refused. Somebody will have to pop him over. Skin two birds in the evening, and catalogue them.

Friday Jan 18

Nothing going on. Write up some notes, for some sick Russians. Get a white grouse and a muffed ptarmigan. Try the Ft. Yukon sled in the soft snow with moderate success

Saturday Jan 19

Morning. Warmer and signs of a change of weather. Skin two grouse, write to father. Whympur cuts out a vest. Quite a tailor. Try the sled again.

Sunday Jan 20

Morning warmer and disagreeable -19. Copy part of catalogue of collections. Get two nokas rubbed up to make two more bags. Evening write on catalogue

Monday Jan 21

Morning. warmer -18. Work on catalogue. Get two new fire bags made and trimmed with beads for presents when the ships come. Even. Get additions to my vocabulary in Hovonkon.

Tuesday Jan 22.

Morning. colder. Morning, write on catalogue and skin two birds. Give my old parkie sleeves to Yapor to have mittens made of. Get two fine ptarmigan. Knill goes out after a fox but doesn't get him. Won anorka from Pickett on Carsoff's nonarrival

Wednesday Jan 23.

Moderately warm. Let Oulma at work on a pair of gloves for me. Catalogue two grouse skins and find I have 2185 specimens of 250 species or more since leaving San Francisco this season and 161 specimens of 37 species since arrival here. Find Ivan the Idiot sleeping on my bed and turn him out instantly to the horror of several people

Thursday Jan 24

Evening warmer -17 at night. Get two red birds a female ptarmigan, and a three toed wood peck. skin them all in the evening. Propose to go over to Tachitsky but can't get any dogs. Get two nokas that Carsoff had when

Friday, Jan. 25.

Morning, blowing a strong SW gale and quite warm, 0 to -4 only - Carpooff doesn't come and I win my four morkas. Take a good steam bath, and put away a lot of birds and clean a fox skeleton which I got from Ivan.

Saturday, Jan 26

Morning, the coldest and most uncomfortable day I have yet spent in the country, though only five below zero, but a gale blowing.

Buy some drill of Ivan to pay for making the little parkies and get two rabbits to skin from Ivan. Get a nose ornament from Dyck for the Smithsonians. Evening, Yagor in, have dancing and singing and quite a jolly evening.

Sunday Jan 27

Morning, Little Peetka having been out shooting comes in with two of his fingers nearly shot off, set & dress them, and he bears it like a Trojan. Kurill brings in 3 prong and a ♀ 3 toed woodpecker which seems to be pretty common about here. Then two grouse in evening.

Monday Jan 28

A very bad headache all day. Clean a fox's bones and buy cutting tobacco pipe by grinding in an old copper shell. Oulna finishes a little parki (Koyonkumsky) for me. Turn in quite sick.

Tuesday Jan 29

Quite sick and lie down almost all day.

Pack away some collections and catalogues them; get two squirrels and a gray wagtail of Larionov. Oulna finishes the Koyonkum parki very well and I have her make a pair of breeches.

Wednesday Jan. 30.

Morning a little better but very sore all over particularly by the throat. Two sundogs about noon - Ice & Kurilla go after wood as the Russians didn't bring enough.

Evening skin two birds in spite of headache & pack a lot of specimens. Oulna in a fit of sulks and don't come in all day. Yagor brings in a pair of the little boots, very pretty and nearly done.

Thursday Jan 31

Morning. Not much better. Carpooff doesn't come & I win two more minkskins on a bet with Pickett.

Put away some more specimens, skin two squirrels & get all of my parkies done and dress Peetka's hand again.

Friday, February 1

Morning, Cold and disagreeable. A strong West wind makes the house cold all day. About noon the Captain, Mike, Everett Smith & Carpooff arrive with the trains and news from below - also Ivan from Urukuk, and list of all some reindeer meat.

Saturday Feb 2

Morning. Cold and disagreeable - Make up some brandy out of alcohol & fixers and the Captain gets the Russians drunk - These miserable dogs are the veriest beasts I ever saw - Make some pies.

Ennis is probably off for Port Clarence. My letter was delivered. He has drawn all the powder & grub from the redoubt and 3000 lbs flour from Step anoff. We have got 600 lbs - The crowd have got to work on the line at Unalakleet & have about five miles in hand. Jay Chappel is in charge there & had a fight with Andrea, was in the wrong of course. He has to attend to Adams from Unalakleet to this place to build. E. has taken most of his trading stuff to Lily.

Sunday Feb 3

Morning. Put away some specimens. Got some In-
galeet words from Ivan; spend most of the day
reading Barron Honor, a very poor novel by the
author of Guy Livingstone & an extremely poor one
by Dennis Jels called Annette. Make some dumplings.

Monday Feb 4

Morning very cold - 45°. The Captain brings Al-
ekoff's bagabara - Al. brings one in two birds which
I skin. Spend most of the day reading.

Tuesday Feb 5

Morning. Indians bring in a snow bird and 2 partridges
and Smith 2 finches, and in the evening 3 skin them.
Pickett pays me two sables for my pants. Dress
Peetkas fingers which are very bad and with probably
have to come off. Read part of Child's Harold.

Wednesday Feb 6

Morning very cold - 51°. Capt K. gives up the Mt.
Yonkous sleds and will have 3 In-galeet ones made
for his Yonkou trip. L. J. makes proposals to take
Annette after Capt K. goes up the river and Joe Dyer
takes the rabbit's wife away from him.

Thursday Feb 7

Morning clear and cold 40° out with Mike & Captain
Smith about a mile up the river to American creek
where our post will be built and beyond to the Inlets R.
and about a mile up it to look for a good place
for the summer to escape the ice next spring.

Friday Feb 8

Morning warmer and signs of snow. Larrion &
Ivan loafing around all day. Dyer refits Pickett's boat
for himself & girl. Larrion's boy brings in two white
crossbills the first of the season. Take a good hot bath.

Saturday February 9, 1867

Morning warm, about 0 all day - Pack up the
specimens obtained here up to this date which fill a
hundred pound biscuit box and a small soap box
for Captain Smith to take down to Unalakleet.
Partly skin three birds and pack away a mouse.

Sunday February 10

Warm & comfortable. Carpoft comes back with 300 lbs
or 3 sleds - Took a walk back of the fort with Capt
Smith & got a new bird. Larrion's malchiska brings in
ten sparrows, Munday, three sparrows & a red headed
woodpecker & Sidorka a red bird. A little excitement
at night on account of a supposed plan of Larrion
to murder some of our party on their way up the river.
Which on getting old Ivan in, turns out to be unfoun-
ded. Make dumplings which are a failure and give
old Ivan a parkie. Got all my crew for the up trip.

Monday February 11

Colder, bar going up very rapidly. Capt Smith
Mike, Pickett & Kurill go down to Wolosatales
on the way to Unalakleet. R. is a bad egg, & probab-
ly will not go to Mt. Yonkou. Evening skin 5 birds
and Capt. L. laid down to tell Mike that
he need not engage Ingechuk. Antoshka cooking.

Tuesday Feb 12

Warm & snowing. Conin & David up. Skin five or
six birds, and catalogue a lot more.

Wednesday Feb 13

Morning a heavy fall of snow in the night, 2 in.
Put away a lot of birds & string labels all day.
Have some words with Capt K. about the Yonkou trip
anxieties and troubles. For this unfortunate expedition
I would not devote more than one more year to

the work up here for worlds. No one can ever know except myself, the bitterness of being utterly alone and fighting a crowd singlehanded; and a crowd too of men who stick at nothing to advance their own interests. Evening read & make out lists of stores to take up the river. There is no one up here whom I can rely upon as a fast friend in any emergency.

Thursday Feb. 14, 1867

Morning cold again -34-. Get two pair footsies & take them in to old Yagorata. Make some biscuits & Whympen makes a pie. Evening work on vocabularies.

Friday Feb 15, 1867.

Get a good hot bath. Evening work over vocabularies with Temashka getting some Premoska words.

Saturday, Feb. 16

Morning, Ivan's baby sick, no castor oil to give it but get it better at last. Work over vocabularies and answer the Inyaleet. About midnight Ivan's child drops dead without a struggle, a proper supply of medicine might have saved its life.

Last night the Capt Sacked Nulna for one of her fits of ill-humor but as she appears very penitent he agrees to take her on trial once more.

Sunday Feb. 17

Morning. Fix my snowshoes according to an idea of my own, and go out to try them about three miles they work very well. Philcar brings in three rabbits.

Monday Feb. 18

Walk up to the bluff and take angles for a chart of the Nulato River & surroundings. Whympen & Dyer go part way & turn back. Whympen has in frozen one of his ears. Coming back stop at Ivan's child's grave; a number of Leticia's down from Koyukuk.

Tuesday, February 19, 1867

Morning. Clear and fine. Go down to the lower point of the Nulato river to take angles for a chart. Come back and make some good gingerbread. Evening work on chart.

Wednesday, February 20

Morning. Cold and disagreeable. Make some biscuit and get a bird from Peetka already skinned, of last year's collecting. Get hold of the horn the Captain brought from Fort Yukon, write up some notes &c. A baby born to Pasvikoff; these women are like animals in dropping their young. Evening get some rabbits from old Ivan's woman and skin & freeze. David brings in

Thursday Feb. 21

Morning snowing & warm, +10. Make some soup which unfortunately gets burnt. Evening skin two birds and add to my vocabulary of Premoska. Ivan the tyro comes in to find out whether the Americans eat children, on account of a joke played on some of the women here.

Friday, Feb 22

Morning. Warm and cloudy. Bath day & get a good hot bath. Dyer makes some bread & gingerbreads & Whympen buns them. Have some pease soup. Write to father on a long letter begun some time ago. Two birds brought in. Washing boy's birthday. raise the flag but no powder for a salute.

Saturday Feb. 23

Morning. a little colder. Writing to father, and getting out trading goods. Evening put away some specimens & skin two birds. Make up some liquor for the Captain who gives Antoshka a drink and rather fuddles him. He goes into the caserne and tumbles against Carpoft who throws him down. The boy runs at him upon getting up, and Carpoft knocked him down and stamped on him. Noulma came in & K. & Dyer go in and bust him in the snout. Afterwards have a talk with Ivan who refuses to let him sleep

in the casarml, after this, so that the Captain tells him that the whole thing shall be reported to Stepanov.

Sunday Feb. 24.

Morning. Warm & windy. Dyer makes bread. Get out some tobacco from the Russian store. Label & put away some specimens. Bad heart turn all day -

Monday Feb 25

Quite unwell with carbolic. Lay around miserable all day. Send book & letters down by Yozor tomorrow.

Tuesday Feb 26

Finish letter to father. Still miserably belious all day.

Wednesday Feb 27

Go outside the fort for a little. Bitter to yesterday. 15 gr. calomel.

Thursday Feb 28

Morning, better. First water in the Mulato River. Go over to the point of the massacre and take angles for my map. Come back with Whymper, feeling rather weak. Evening work on map. A chilly south wind & cloudy sky.

Friday March 1

Morning. Start at work on a rough transit instrument for taking angles. Fix a hand on my watch out of the silver wire from a piece of violin string. Take a bath not very comfortable in the outer room as the warm weather sets every thing a dripping. Skin two partridges in evening. Squirtzoff sister wants me to take her

Saturday Mar 2

Morning. go to work to get out goods for the Captains and my expeditions. About noon Mike and the sleds arrived with the new dogs but without the Indians who are to come up soon. Emie has left written orders for E.E. Smith to nail brackets on poles & to report to H.M. Smith. This is a gross outrage on decency Francis together. Pickett does not go to Port Youkon.

Sunday. March 3. 1867

Morning. Clean out and take up the deerskin mats. Set out goods for trip. Make dumplings & sauce for dinner. work on transit. Evening skin a grouse -

Monday Mar. 4th

Morning. Make handles to two kettles & finish my transit. Ingechook comes up and says that Lofka & Andrea the two men who were to go up country with Capt. Ketchum have backed out. Get Peelka & a robotnik from the Russians to take their places. One new sled finished.

Tuesday Mar. 5th

Morning. Work over goods. fix lock & hinges on a box for the Captain. Do a lot of odd jobs, get collar & cuffs on a red shirt to wear up the river. May go up four or five days with the Captain & an extra sled to Sakatalanta. Evening magnificent aurora which moves like clouds -

Wednesday Mar. 6th

Morning. Kurill brings in four birds. Peelka pays me a sable for dressing his hand, since he hurt it. Make a huckleberry pudding & sauce. Afternoon take some angles. Feed the dogs. write out-report for Capt. K. Skin a partridge & turn in

Thursday Mar 7

Morning. Up to the site for our station & lay out the four corners. 100 x 65. Back and work on maps and

try to get a pair of snowshoes. Evening skin four red birds that Kurill brought in.

Friday Mar. 8

Morning. Have a bath on our own hook. Put away a lot of birds. Write to mother and to Prof Baird. Get authority to sign for the company on our trip for Fort Youkon. Getting medicine and a few scientific stores for Capt's trip -

Saturday Mar 9. 1867

Morning. Skin a partridge & rabbit. All hands out after rabbits. Blacksmith puts the bone on the sleds. Takeitchy Indrane brings us some grouse & small birds.

Sunday - Mar 10. 1867

Morning. Load the sleds for starting tomorrow. Spend the day getting things together for the Capt. & sons trip. Evening. Skin two sets of peckers.

Monday Mar. 11th

Rise early. Capt. Kitchum leaves for Fort Yukon^{8 am} with Mike Lebarge four sleds, 14 dogs, Petka, Capeula, David and Stosman. about 1200 lbs of provisions & trading goods. Give him three rounds of the big cannon & a dozen or two revolver shots. Hoist the U.S. flag. Clean up the room after they are all gone. Put away a number of specimens. Day dull and cloudy.

Tuesday March 12th

Morning. Sort a lot of beads. Afternoon write on vocabularies. Premoska &c. A little scandal on the part of Zagorsha's housekeeper & Temoshka to relieve the dullness.

Wednesday. Mar. 13

Write up and finish Premoska vocabulary and in afternoon walk over to the island with Whymper take a few angles for my chart and return.

Thursday Mar 14

Work on vocabularies and angles, day snowy and damp.

Friday Mar 15.

Morning. Take a bath. Work on Catalogue of specimens & on chart. very dull and moist, now thawing.

Saturday Mar 16.

Morning. Finish catalogue (copy) of specimens. Put up paper in my plant presses for future use. Make a hundred small paper bags for insects and mosses in the summer. News that Kitchum is one day beyond Kokoyou^{kuk}.

Sunday, March 17th. 1867

Morning. Set to work to copy my meteorological observations for the past six months and spend all day at it. Whymper makes some pies. Dull & chilly.

Monday, Mar. 18

Morning. Kurilla goes out and brings back three birds a squirrel and a sable which he has shot. In the afternoon Zagorsha gets back from Unalakleet bringing the bidarra. No oil, no dog feed no loutah to mend it with. Grib nearly all out, at Unalakleet only ten shoulders of bacon left. Flour, beans, and vegetables, only, in store. Libby wrote two months ago that his men would be out of grub in six weeks. No reindeer meat at Unalakleet. This is a specimen of what the company has provided for us in a barren wilderness.

Tuesday, Mar. 19.

Morning. Skin the sable, Kurilla shot, a long got as the skin sticks very close. Afternoon skin four birds. Yagor arrives but has left his sleds near Coal Bluff. Zagorsha and Temoshka go after them. Paspilkerff is transferred to our company and the Russians are nearly out of tea. an eclipse of the moon nearly total about the middle of the evening.

Wednesday Mar 20

Morning. get letter from Caldwell (2) Capt Smith by Yagor. Poor Bendeleben has gone crazy. He calls himself Beaver, and Chief of the Kaviaks. He left Grantley Harbor with a small sled & no dogs or provisions, and an old squaw. This country is the devil for nervous minds. Ennis has got back. Skin eleven birds, and go up on snow shoes to the site of our house to break a road for the blacksmith to haul dogs on. Clears off cold.

1867

Thursday, Mar. 21

Morning. Work over and laid about 20 birds. Go down to the Nulato River which is very soft, and take angles and go up the various branches for a mile or two each in snowshoes, rather hard work. Evening Yager in.

Friday, Mar. 22

Skin a bird and work on chart. take a good hot bath and change every thing. P.M. work on map.

Saturday, Mar. 23

Put away a lot of birds and specimens. Work over map and get it nearly done. Omluk also came bringing a deer from Koyoukuk of which we got a fore-quarter. Arrange to send Antoshka up after rabbits.

Sunday, Mar. 24

Snowing hard all day. Work on map. In the afternoon go up to the house with Pickett and the Russians & the blacksmith, on snowshoes, and haul up two very heavy logs for the foundations.

Monday, Mar. 25

Still snowing, very mild and warm. Skin 3 birds work over maps all day, evening clears off and foggy.

Tuesday, Mar. 26

Morning warm & cloudy. Work on map. After dinner go up with Payer & Whympers to the house and help the blacksmith with some logs. Back by the bank.

Wednesday, Mar. 27

Morning. Finish map. Cut two telegraph poles and finish trimming them. Skin a very large fish and get two mice.

Thursday, Mar. 28

Morning cold and blowing hard. Write up cat above. Two men came from Koyoukuk with 21 rabbits which we keep. Buy a pair of mittens from Omluk. Pick up Antoshka for trip.

Friday, March 29, 1867

Morning, a cold snap - 40. Send Antoshka and Paskoff Malchiska down to Yakoutsk after Ios bidark. To pick up Monday at Woly satuk's barrabara. Go out and cut two telegraph poles, eight inches at the butt, five at top and 18 ft long. And trim them. Back and take a good hot steam bath.

Saturday, March, 30

Morning, warmer, cloudy. Go out and cut three telegraph poles, only two more to be cut to make up the mile. Evening write. Omluk has a fit of haematopia.

Sunday, Mar. 31

Morning, go out with Pickett and the dogs and haul ten telegraph poles to their places. Back to dinner get a new fish and some grouse. Growing milder.

Monday, April 1

Morning, go out with Pickett cut two poles and fix on a place for a house. Skin two grouse and get old Lizzies father to work on a pair of snowshoes.

Tuesday, April 2

Go up with Kurilla and Pickett and the dogs and haul the remainder of the telegraph poles and cut two more making the mile complete. Arrange to go over to Takitsky with Kurill, Pack Box No 3 and put it ready with a letter to send to Benson at Unalakleet by old Ivan who goes down tomorrow.

Wednesday, April 3

Morning, go up to the house and cut three trees. Get ready to go to Takitsky with Kurill tomorrow.

Thursday, Apr. 4

Left Nulato in a snow storm 9.30 with Whympers & Kurill. Left W. at the fishtraps at 10.15. Met Yager opposite the coal mine on his way up to Nulato.

April 4, 67.

Arrived at Woolyotuk's barabara at 3 P.M. Found it deserted, all hands gone after deer. Take a fish out of the cache to feed the dogs. Styreek who took Byers letters to Unalakleet arrives and brings me a letter from Ennis. Buy 4/4 whale oil from him for 4 bullets. Arrange to raise Woolyotuk's fishtrap tomorrow and if we find enough fish to feed the dogs, go over to the mountains and buy and buy some deer meat with him. Sleep in Woolyotuk's house. Get 2 grouse out of pettrays.

Friday April 5, 1867

Styreek refuses to help open fishtraps and starts off but I will not go on a bare chance without dog feed. Kurill goes out and kills some small birds and insects some Indians raising the fishtrap who say that they are killing beaver and have got only five so far, that Antoshka got no fish here or at Kallag as they had none to spare and his dogs must be starving. Monday turned back at Kallag because grub was giving out.

That the Takilesky woman's house is two days from here and road obliterated by snow. Having no dog feed I conclude to turn back to Nulato, and get Byers to send down some fish to Antoshka. Skin an owl and pick up some cable skulls and a squirrel from the cache.

Saturday April 6

Start at 8 a.m. for Nulato. Meet the Takilesky woman near the fishtrap. She left in the night because Yagor wanted to take her little girl for his woman. Give her a dog to bring over 40 grouse some fish and rabbit skins to Nulato and push on arriving at 1.15 P.M. Having barked my toes on the way down and the wet snow sticking to my snow shoes I find 40 miles snow shoe travelling no joke. Pickett & his woman start down with fish for an. tomorrow

Sunday April 7, 1867

Pickett starts very early for Kallag. Put up the specimens I got at Woolyotuk's, skin three birds and two squirrels & catalogue everything. Some Indians arrive with rumors of deer from Takilesky direct. The leaving us without grub enough to last till spring by the Company is damnable. If it was a larger party we should have starved. Fish will soon give out. The country cannot be depended on for food as the Indians themselves, occasionally die from starvation.

Monday April 8, 1867

Pickett comes back with Woolyotuk, Tekunka and a lot of Indians and has secured a lot of reindeer meat which comes in very handy. Tekunka is a bully fellow and may go up with us to Port Yonkon, as Kanosh and Mikaishka seem likely to back out. Give him a lot of buckshot and repair his gun for him, as it has a broken nipple. Give him a new one. Clean some bones for

Tuesday April 9

Morning. Very warm, everything melting and the house leaking. Skin a cat, a rabbit, a grouse. Fix up my bed and clean out. Reindeer meat for dinner, and back grouse. Ev. cut up some tobacco.

Wednesday Apr. 10

Very warm house leaking like thunder. Antoshka back with vicanna & two birds for me all night. Clear off the top of the house. Woolyotuk's malchaska comes up.

Thursday Apr 11

Colder. Kurill gets back from his two days trip after reindeer meat. He brings me two owls and a fresh norka skin. Skin two owls, two grouse, a shrike, a red cross bill, and a woodpecker. Get 3 small stream. Buy a lot of trading goods from Ivan for up river

Friday April 12, 1867

Colder. Get a new fish and clean some skulls
get a steam bath. Afternoon go down to the
Lake River, get a partridge and some preparations.
It is light now till nearly nine o'clock at night

Saturday April 13

Clear my mind and lead but the dogs get at it
and mutilate it. Skin three grouse and an owl
Joe buys 50 rabbit skins for an old deer hide and 1/16
for a little muslin 20 cent kettle and some tobacco

Sunday April 14

Skin a crossbill and copy catalogue and baron
strical observations. Afternoon go up to our house and
go after birds but see none get a lot of spruce cones

Monday April 15

Get my shirt finished, made out of a shawl. Ivan
squirts off & the rest have a row over in the cosine
Put away some specimens. Read the Earls Heirs

Tuesday April 16

Morning warm and pleasant. Copy maps of Nulato
to get some owls & a little shrike. Go up to the house
and round on to the bluff beyond with Whympier.

Wednesday April 17

Skin five or six birds. Go over to the Nulato Bluff
and round by the river about 24 miles on snowshoes
see Monday and Alekoff. Sun sets about nine o'clock
Skin the bidarra and bidark to oil and repair them

Thursday April 18

Morning skin a squirrel and two grouse. Go down
to the Nulato River in the afternoon with J.W. Dynt his
hooker. Pickett tries a pair of Norwegian snow
shoes which work tolerably well. Day cold and windy
It is quite light now till 11 o'clock at night.

Friday April 19, 1867

Cold and windy. Catalogue a lot of specimens. Get a good
steam bath. Go down to the snares with Whympier.

Saturday April 20

Kuill gets back. Bring 86 grouse, some rabbit skins, a
big owl, a little owl and two black grouse & a woodpecker
for me and four nokas. Go up to Paspilkofo with all
hands, set some snares and go up the hill. Back and
skin the big owl which measures 4 feet across the wings

Sunday April 21

Skin birds all the morning. After dinner go up
to the little River with Whympier, who sketches while
I promise for fossils and find a few to my great delight.
Win \$2.50 on a bet as to a track on the snow which I
pronounce for a dog, and Eyer says is sable. E. Ivan in.

Monday April 22

Morning open and a grouse and go up to the
point with Pickett and Harding & Schenck. Get a
few more fossils of the same character

Tuesday April 23

Morning, go up to the point and spend all the mor-
ning in an almost fruitless search after fossils.
Afternoon, go down to Massacre Point and open
an indian grave and get a good skull, which
I take back and feel quite relieved when it is
safely deposited under my bed, as my life might
have paid the penalty of discovery. Day very hot.

Wednesday April 24

Skin a bird and put away a lot of specimens. Catalogue
all my fossils. Get a fine hawk from Wolyantux
who arrives with Ivan bringing a lot of papers & notes
from Unalakleet, also Sitka. Get a box of specimens
ready for Pickett who goes down to Unalakleet tomorrow

Thursday April 25. 1867

Morning go up and help Paspilkoff get up some heavy logs onto the house. An Indian comes down from Koyukuk with piece of moose meat. After noon skin five birds and two squirrels and get a lot of beetles. Get a good hot steam bath. Pickett starts for Unalakleet with a box of specimens &c with sled alone

Friday, April 26

Put away specimens, Catalogue them, write on notes for Prof Baird

Saturday, April 27

Antoshka gets back from Takhetsky with some deer meat from Secunka who has killed two deer and a magnificent white owl for me, a Great Prasnuk. Easter of the Russians. Dine with Yapor and the bidarslik. Skin birds in P.M. Evening read but don't get a fair novel

Sunday April 28

Skin birds in morning. write up catalogue and get a new sub. Have Yapor and Ivan in to dinner

Monday Apr. 29

old Marie dies.

First goose seen. Write to Baird all day, make a handle to my gun of grouse tail. Ivan & me makes 2 paddles

Tuesday Apr. 30

Go up and get four logs on to the house for Paspilkoff get some beetles and explore an old Indian house coming back. Finish report for Baird to May 1st

Wednesday May 1

Skin a small hawk and a snipe. Go out and get some beetles and make my knife. Afternoon for my soap & handker

Thursday May 2

Go up and get up six logs for Paspilkoff, in doing which Kurilla gives two players a bad game. Indians down with a lot of reindeer and moose meat and some birdskins very poor but buy them. Write on vocabularies in afternoon

Friday May 3rd. 1867

Morning. Kurilla kills the first goose of the season, and two ducks. Skin them although very poor specimens. Get a hot bath. Finish Unalutsky vocabulary. Get a sparrow.

Saturday May 4. 1867

Morning put away all my loose traps in a bag, and stow them in the magazine. Pickett arrives from Unalakleet with some booties and enjoy! Two pair of American boots. Letters from Benson and Ennis, the latter as soapy as ever. He brought back my box as his sled broke down and he got up to his neck in water in the Ukukuk River. Vesolia Sopka river also open. Scumy & Gnomothoca raging at Unalakleet, but most fortunately, thousands of deer have made their appearance and they have killed a great many. After noon skin three birds. Ennis writes he has 80 miles of poles up. Smith is gone down with Stepanoff and Francis is stripping to the Redoubt to bring up coal to get the steamer down in spring.

Sunday May 5. 1867

Write up and finish Koyukuk vocabulary. Go up to the house in the morning, the little river is running a torrent and the Unalut River is nearly open. It is quite light now till half past ten o'clock at night

Monday, May 6.

Write up catalogue and meteorological record. Boil and clean a reindeer skull. Go up and get 6 logs on to the house for Paspilkoff. Get a goose in P.M.

Tuesday May 7

Skin three geese, two of a new kind which Kurilla shoots two and Antoshka one. Dr & Whympers go down to the Unalut River but return without anything. It is quite hard work to skin a goose. They are very large

With day dinner with Yapor

Wednesday May 8th 1867

Skin a goose and two snowbirds which Kurill brings in. Go down to the Nulato River in the afternoon. Write up notes and trace a copy of map of Nulato for Smith.

Thursday May 9th

Morning. Rain & snow, very chilly. I am afraid that there will be a late breakup this year. Go up to the woods and cut a tree and hew it for a cross to put near where Kennicott died, on the bank below the fort.

Work on map and skin a black goose & cut part of an inscription for the cross when it shall be erected.

Friday May 10

Work on maps for Dyer. Kurilla gets five geese and a duck. Write up catalogue and notes, get a good hot bath.

Skin a black goose, put away some specimens.

Saturday May 11

Morning. Skin a goose, and a small snipe and duck which Kurilla gets. Finish inscription for Kennicott's cross. Noeytairdinones brother comes down from Koyukuk with some reindeer meat. He agrees to go up to Fort Yukon with us. Plenty of geese up there, but don't feel if it will pay to send Kurilla up with us as there is water on both sides of the river along the bank and it is raining hard.

Sunday May 12

Early in the morning Kurilla brings in a brace of geese and a lark the last of which he skin and set aside two geese. Ivan starts to go over to the island when the Nulato River breaks up sending a flood of water up the Yukon and breaking up the ice all along shore nearly half way to the little river. In coming back Ivan gets in, and is paddling about in the water when Paspilkoff sees him and gives the alarm. I hear the row and hearing that Ivan

is drowning grab two paddles and snake for the beach where Pickett and Antoshka are already in one canoe and Aloshka in another, all calling for paddles & the Rusksies running about, like hens when a chick or hawk is around, and doing nothing. They get him out safely, however. Go up to the Nulato with Dyer & Whympex and come back and sit on the roof during the evening. The mosquitoes have come, and now farewell to all comfort at night. They are awfully big, and very audacious. Kurill goes over in a birch to the island to shoot all night. A year ago ^{the} Tarentof was saved from drowning by the Major.

Monday May 13

Morning half clear, and rather warm. Skin three ducks and a goose. Kurilla brings in 4 geese and two ducks and a small bird having shot 30 times. Get Paspilkoff to finish cross and Antoshka to dig the hole and in the afternoon put it up about 100 yards from where the Major's body was found a year ago this morning. Antoshka brings in a duck. The inscription, cut by myself on an oak tablet is, In memory of Robert Kennicott, Naturalist, who died near this place, May 13, 1866, aged thirty.

Tuesday May 14

Morning go up to the little River which is now a roaring torrent. Get a few land shells &c. Dyer and Whympex pack up the poles for the telegraph line. The swallows have come. Afternoon skin eleven birds mostly geese and ducks. Kurill brings in ten ducks & geese. Get the bidarra under weigh. Pickett digs 3 holes. The Russian bidarra is finished except putting on the skin. Get some more fossils on the beach and some alder blossoms.

Wednesday May 15, 1867

Clear and finish ten bird skins and skin three small birds. Put away and catalogue a lot of specimens, get out trading goods for trip.

Thursday May 16.

Morning. go up to the house with Whynup + Dyer and put up 12 telegraph poles. Come down to the house and find Kurill who brings me in six snipe with plover and two white geese, one alive. Get a new duck from Ivan. Write on letter to the prince, catalogue and met. record.

Friday May 17.

Morning. A little of the ice, opposite the fort goes down stream. Our bidarra skin is being mended. It is in very poor condition rotten and old. It will hardly hold together to take us up there.

Skin 14 birds in afternoon. Yager in to tea.

Saturday May 18.

Morning. Work at packing away things and taking out what we want to leave here till we return. Water in river rapidly rising. Get the bidarra finished, stretched oiled and set up on the cache to dry. Afternoon go up on the bank with all hands and put up the remainder of the mile of poles. Aloska is going to clear it up.

Sunday May 19.

Morning go on with packing. Ice on Youkon breaks up and comes floating down without any noise or disturbance about one o'clock. Skin 4 birds and put away all my ducks and geese. Set the ridge pole on our new house. Day very warm and pleasant. Ice broke up last year on the 21st of May. The water is rising very rapidly.

Monday May 20, 1867

Morning, see musquito nests. Finish packing, skin four birds, get two new kinds of birds. Water very high but ice still stationary. Weather very fine.

Tuesday May 21, 1867

Work over maps for my self and Dyer. Skin six birds, get a beautiful duck from Woolyotup who arrives with beaver skins and a little meat, from the headwaters of the Nulato River. Ice going down stream well and the water up to the foot of the steps at the bank.

Wednesday May 22, 1867

Morning Clear. Ice blowing slowly past. Get a sail for our bidarra. Go up and cut some telegraph poles. Find two new muskrats and get two new snipe.

Yager and Ivan with dinner. Go up in the woods again after dinner, collect a few insects etc.

Thursday May 23

Clear and warm. Skin six or eight birds and put away a lot of specimens. Get a waterhen. Woolyotup goes away tomorrow. Ice nearly gone. The casino has only been built six years, on the place of the old one which had all in one building. Dyer's house has been built four years and the place five years. Notarpe the first interpreter had the first north of this at the open place but Seratin moved it down near its present situation. Zagoshtkin saw it in the original place.

Friday May 24

Morning. Pack bag for up river. Get a lot of seal bows, the new set. Take a good hot-bath, and skin six birds. Send all out except what we are to take up the river. Ice nearly all gone.

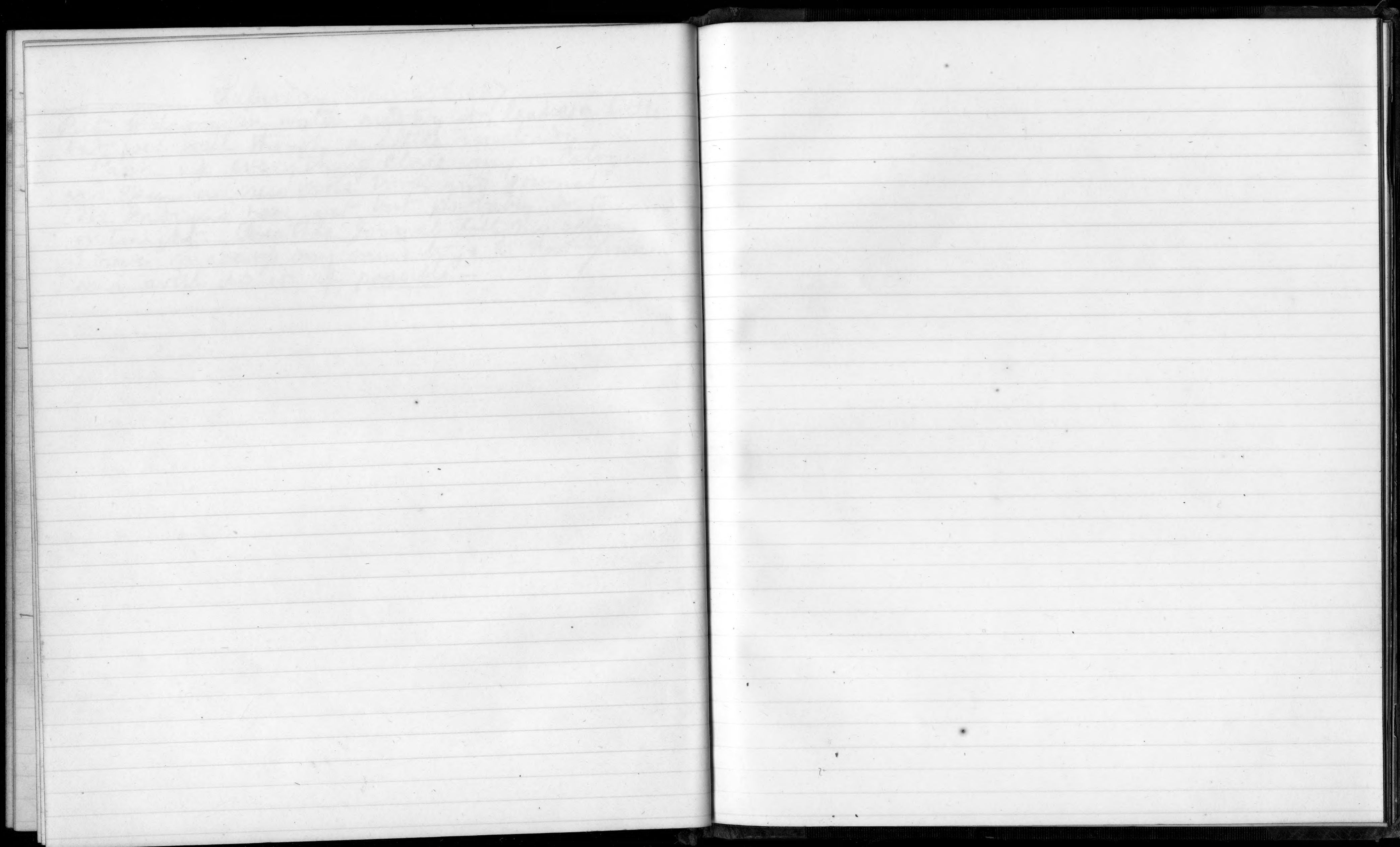
Fix boat in afternoon. Will start in about two days.

Saturday, May 25. 1867

Put bidarra in water and try it - leaks a little but goes well though a little unsteady.

Pack up everything close my catalogue and open a new note book and journal.

No Indians here yet but probably be tomorrow or tonight. Close this journal till my return. I have made up my mind to go to Fort Yukon and will do it, if possible -



P. P. Carpenter, Montreal, C. E. P. O. Box 193½

